

Hot water storage tanks 2015

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General terms and conditions see:
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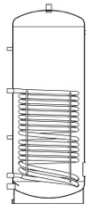
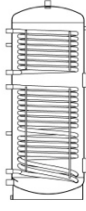

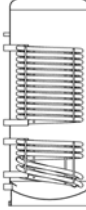
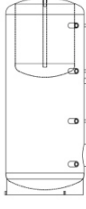
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Generalimport:

RYLL

Heizkessel ■ Boiler/Speicher/Puffer ■ Solar

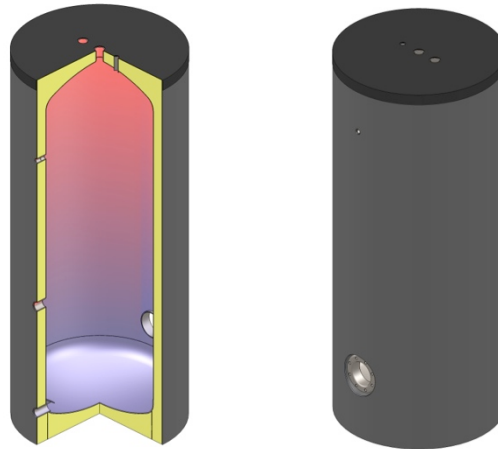
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	Electric and stratified hot water storage tanks	EL/E	Enamelled 200 – 1000 litres	1
		EL/C	Stainless steel V4A 200 – 2000 litres	2
	Domestic hot water storage tanks with 1 heat exchanger	SF/E	Enamelled 150 – 1000 litres	3
		SF/C	Stainless steel V4A 200 – 2000 litres	4
	Domestic hot water storage tanks with 2 heat exchangers	DSFF/E	Enamelled 300 – 1000 litres	5
		DSFF/C	Stainless steel V4A 300 – 2000 litres	6
	for heating stations	DSFFL/E	Enamelled 300 – 500 litres	7
	Domestic hot water storage tanks for heat pumps with 1 heat exchanger	WP/E	Enamelled 300 – 1000 litres	8
		WP/C	Stainless steel V4A 300 – 2000 litres	9
	Domestic hot water storage tanks for heat pumps with 2 heat exchangers	WPS/E	Enamelled 500 – 1000 litres	10
		WPS/C	Stainless steel V4A 500 – 2000 litres	11
	Combi hot water storage tanks	PBNF/E PBNR/E PBNRR/E	Enamelled 600 – 1500 litres	12

Double-jacketed hot water storage tank	BDF/E	Enamelled 300/200 litres	13	
Fresh water storage tank	JHSS	Stainless steel V4A 600 – 1500 litres	14	
Deep hot water storage tank	LSP/E	Enamelled 150 – 200 litres	15	
	LSP/C	Stainless steel V4A 150 – 500 litres	16	
High-performance hot water storage tank with 1 heat exchanger	HR/E	Enamelled 150 litres	17	
Buffer tank for heat pump	without flange	PU-ES	200 – 600 litres	18
	with flange	PUF-ES	200 – 600 litres	19
Buffer tank	PSM / PSF	without heat exchanger with and without flange	300 – 5000 litres	20
	PSR	with 1 heat exchanger	500 – 5000 litres	21
	PSRR	with 2 heat exchangers	800 – 3000 litres	22
Made-to-measure hot water storage tank		20 – 100,000 litres	23	
Accessories			24	
Performance tables			25	

R1

Electric and stratified hot water storage tanks Enamelled - EL/E 200 - 1000 litres



The enamelled hot water storage tanks, if supplemented with an electrical heater (Accessories), can be used as electric hot water storage tanks. Tanks of 600 litres or larger, can also be supplemented with two electric heaters for load-dependent switching. With an external plate heat exchanger, the hot water storage tank can be used as a stratified hot water storage tank. Fittings are available for optimum stratification. At higher loads, the stratification of the domestic hot water can be further optimised using a heating lance (Accessories).

Design

The hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Hot water storage tanks with a volume of 800 litres or greater are externally coated with a corrosion-protection paint.

Tests and certificates

The hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses.

SVGW Number: 1006-5752

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient electric heaters for flanges
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Electric and stratified hot water storage tanks Enamelled - EL/E 200 - 1000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

NEW German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

NEW German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 600 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 200 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions

1 x thermometer with thermowell Part no. T 80/100
from 800 litres Part no. T 80/200

1 x thermowell 1000 mm from 600 litres Part no. 11008

For stratified hot water storage tanks up to 500 litres, the thermowell (Accessories) must be ordered separately.

Magnesium protection anode

200 – 500 litres	1 x	750 mm	Part no. 10007 750
600 litres	2 x	520 mm	Part no. 10007 520
800 – 1000 litres	1 x	520 mm	Part no. 10007 520
	1 x	750 mm	Part no. 10007 750

3 x set screws 800 – 1000 litres

Electric and stratified hot water storage tanks Enamelled - EL/E 200 - 1000 litres

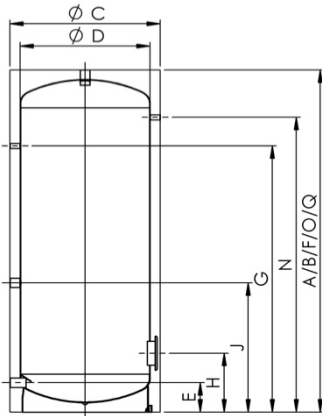
Type EL/E	Units	200	300	400	500	600	800	1000	
Capacity	l	201	325	426	524	589	830	925	
dia. with insulation	mm	600	650	750	750	750	990	990	
dia. without insulation	mm	500	550	650	650	650	790	790	
Height with insulation	mm	1215	1570	1500	1800	2000	1980	2180	
Tilted dimension	mm	1355	1700	1680	1950	2140	1990	2190	
Water operating pressure	bar	6	6	6	6	6	6	6	
Test pressure	bar	12	12	12	12	12	12	12	
max. operating temperature	°C	95	95	95	95	95	95	95	
Weight	kg	63	87	100	117	130	188	204	
Part no.		16030/ EN	16031/ EN	16032/ EN	16033/ EN	16034/ EF	16035/ EF	16036/ EF	
Insulation		50-mm quick-foamed rigid polyurethane foam					100 mm rigid foam		
Standby heat losses	kWh/ 24h	1.39	2.01	2.17	2.48	2.85	3.26	3.44	
Weight	kg						35	40	
Part no.							16035/ HS	16036/ HS	

Selection table Flange heating Ø 180 mm	Time	200	300	400	500	600	800*	1000*
	4 h	RDU 3.8	RDU 6	RDW 7.5	RDW 10	RDW 10	RSW 12	RSW 15
		KDW 4	KDW 6	KDW 8	KDW 10			
	6 h	REU 2.5						
		RDU 2.5	RDU 3.8	RDU 5	RDU 6	RDW 7.5	RDW 10	RSW 12
		KDW 4	KDW 6	KDW 8	KDW 10			
	8 h	REU 2	REU 3.3					
		RDU 2.5	RDU 3	RDU 3.8	RDU 5	RDU 6	RDW 7.5	RDW 10
		KDW 4	KDW 6	KDW 8	KDW 10			

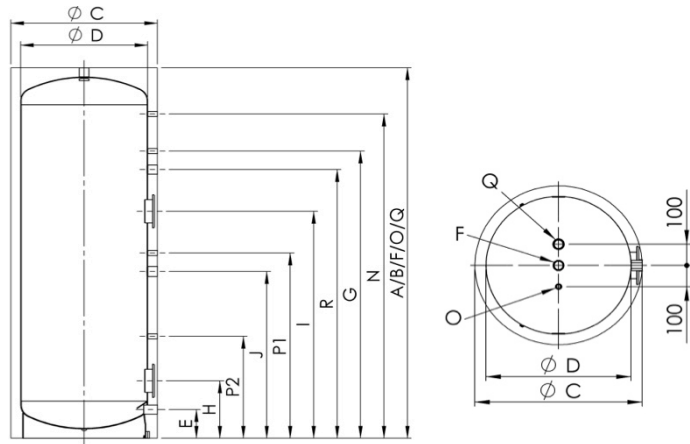
* Warning: When mounting a heating flange on the lower flange, an intermediate flange (Accessories) is required.

Electric and stratified hot water storage tanks Enamelled - EL/E 200 - 600 litres

200 – 500 litres



600 litres

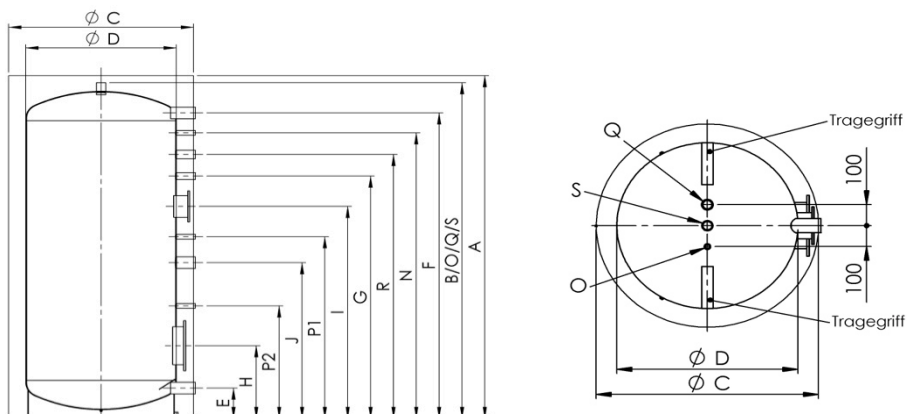


Use		Dimensions	200	300	400	500	600
A	Height	with insulation - mm	1215	1570	1500	1800	2000
B		without insulation - mm	-	-	-	-	-
C	Diameter	with insulation - mm	600	650	750	750	750
D		without insulation - mm	500	550	650	650	650
E	Cold water	Height - mm	130	140	155	155	155
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
F	Hot water	Height - mm	1215	1570	1500	1800	2000
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
G	Circulation	Height - mm	950	1200	1150	1400	1550
		Connection - R*	½"	½"	½"	½"	½"
H	Bottom flange	Height - mm	285	295	310	310	310
		Ø - mm	180/120	180/120	180/120	180/120	180/120
I	Top flange	Height - mm	-	-	-	-	1225
		Ø - mm	-	-	-	-	180/120
J*	Connection	Height - mm	480	620	580	680	900
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"
N	Thermometer	Height - mm	950	1350	1250	1550	1750
		Connection - R*	½"	½"	½"	½"	½"
O	Sensor sleeve	Height - mm	1215	1570	1500	1800	2000
		Connection - R*	½"	½"	½"	½"	½"
P1	Sensor	Height - mm	-	-	-	-	1000
		Connection - R*	-	-	-	-	½"
P2	Sensor	Height - mm	-	-	-	-	550
		Connection - R*	-	-	-	-	½"
Q	Magnesium anode	Height - mm	1215	1570	1500	1800	2000
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
R	Magnesium anode	Height - mm	-	-	-	-	1450
		Connection - R*	-	-	-	-	1 ¼"

* **Warning:** Heating lance installation for optimum stratification in stratified hot water storage tanks

Electric and stratified hot water storage tanks Enamelled - EL/E 800 - 1000 litres

800 – 1000 litres

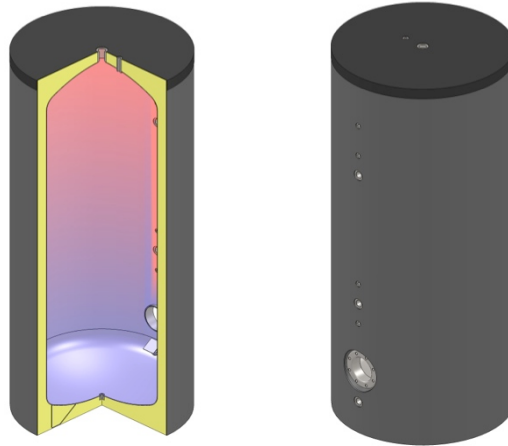


	Use	Dimensions	800	1000
A	Height	with insulation - mm	1980	2180
B		without insulation - mm	1940	2140
C	Diameter	with insulation - mm	990	990
D		without insulation - mm	790	790
E	Cold water	Height - mm	175	175
		Connection - R*	2"	2"
F	Hot water	Height - mm	1765	1965
		Connection - R*	2"	2"
G	Circulation	Height - mm	1400	1600
		Connection - R*	1"	1"
H	Bottom flange	Height - mm	420	420
		Ø - mm	290/220	290/220
I	Top flange	Height - mm	1225	1375
		Ø - mm	180/120	180/120
J*	Connection	Height - mm	900	1000
		Connection - R*	2"	2"
N	Thermometer	Height - mm	1650	1850
		Connection - R*	½"	½"
O	Sensor sleeve	Height - mm	1940	2140
		Connection - R*	½"	½"
P1	Sensor	Height - mm	1050	1150
		Connection - R*	½"	½"
P2	Sensor	Height - mm	650	650
		Connection - R*	½"	½"
Q	Magnesium anode	Height - mm	1940	2140
		Connection - R*	1 ¼"	1 ¼"
R	Magnesium anode	Height - mm	1525	1725
		Connection - R*	1 ¼"	1 ¼"
S	Top connection	Height - mm	1940	2140
		Connection - R*	1 ¼"	1 ¼"

* **Warning:** Heating lance installation for optimum stratification in stratified hot water storage tanks

R2

Electric and stratified hot water storage tanks Stainless steel V4A - EL/C 200 - 2000 litres



The stainless steel V4A hot water storage tanks, if supplemented with an electrical heater (Accessories), can be used as electric hot water storage tanks. Tanks of 600 litres or larger, can also be supplemented with two electric heaters for load-dependent switching. With an external plate heat exchanger, the hot water storage tank can be used as a stratified hot water storage tank. Fittings are available for optimum stratification. At higher loads, the stratification of the domestic hot water can be further optimised using a heating lance (Accessories).

Design

EiTherm hot water storage tanks are manufactured from high quality stainless steel V4A. The hot water storage tanks are designed, manufactured and certified according to EN 12897:2006.

Anti-corrosion protection

Each hot water storage tank is pickled and cleaned in order to ensure that the greatest possible protection is attained.

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Stand-by heat losses.

SVGW Number: 1006-5750

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient electric heaters for flanges
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Electric and stratified hot water storage tanks Stainless steel V4A - EL/C 200 - 2000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

New German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 600 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 200 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions		
1 x thermometer with thermowell		Part no. T 80/100 C
	from 800 litres	Part no. T 80/200 C
1 x thermowell 1000 mm		Part no. 11008/C

Electric and stratified hot water storage tanks Stainless steel V4A - EL/C 200 - 2000 litres

Type EL/C	Units	200	300	400	500	600	800	1000	1250	1500	1750	2000
Capacity	l	201	325	426	524	589	830	925	1226	1413	1728	1926
dia. with insulation	mm	600	650	750	750	750	990	990	1100	1200	1300	1300
dia. without insulation	mm	500	550	650	650	650	790	790	900	1000	1100	1100
Height with insulation	mm	1215	1570	1500	1800	2000	1980	2180	2230	2110	2140	2340
Tilted dimension	mm	1355	1700	1680	1950	2140	1990	2190	2260	2120	2200	2355
Water operating pressure	bar	6	6	6	6	6	6	6	6	6	6	6
Test pressure	bar	12	12	12	12	12	12	12	12	12	12	12
max. operating temperature	°C	95	95	95	95	95	95	95	95	95	95	95
Weight	kg	58	81	92	108	120	172	188	218	239	260	288
Part no.		16030/ CN	16031/ CN	16032/ CN	16033/ CN	16034/ CF	16035/ CF	16036/ CF	16039/ CF	16037/ CF	16040/ CF	16038/ CF
Insulation		50 mm rigid foam polyurethane quick expanded					100 mm rigid foam					
Standby heat losses	kWh/24h	1.39	2.01	2.17	2.48	2.85	3.26	3.44	3.60	3.77	4.01	4.38
Weight	kg						35	40	45	50	55	60
Part no.							16035/ HS	16036/ HS	16039/ HS	16037/ HS	16040/ HS	16038/ HS

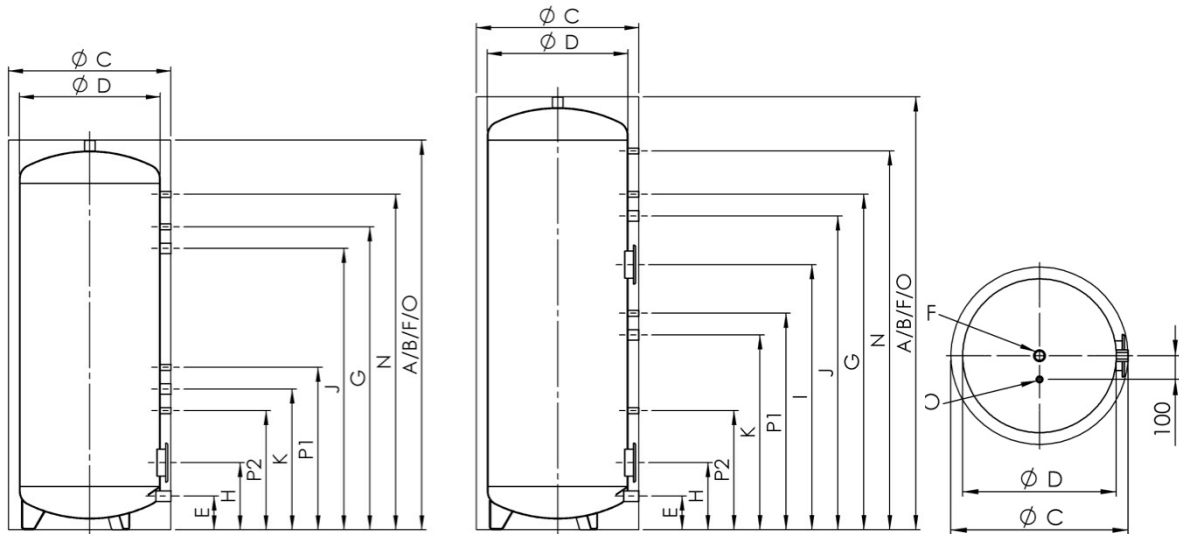
Selection table Flange heating Ø 180 mm or Ø 240 mm	Time	200	300	400	500	600	800*	1000*	1250*	1500*	1750*	2000*	
	4 h	RDU 3.8	RDU 6	RDW 7.5	RDW 10	RDW 10		RSW 12	RSW 15	RSW 24 U Ø 240	RSW 24 U Ø 240	RSW 24 U Ø 240	RSW 45 U Ø 240
		KDW 4	KDW 6	KDW 8	KDW 10								
	6 h	REU 2.5											
		RDU 2.5	RDU 3.8	RDU 5	RDU 6	RDW 7.5	RDW 10	RSW 12	RSW 15	RSW 15	RSW 24 U Ø 240	RSW 24 U Ø 240	
		KDW 4	KDW 6	KDW 8	KDW 10								
	8 h	REU 2	REU 3.3										
		RDU 2.5	RDU 3	RDU 3.8	RDU 5	RDU 6	RDW 7.5	RDW 10	RSW 12	RSW 12	RSW 15	RSW 15	
		KDW 4	KDW 6	KDW 8	KDW 10								

*** Warning:** When mounting a heating flange on the lower flange, an intermediate flange (Accessories) is required.

Electric and stratified hot water storage tanks Stainless steel V4A - EL/C 200 - 600 litres

200 – 500 litres

600 litres



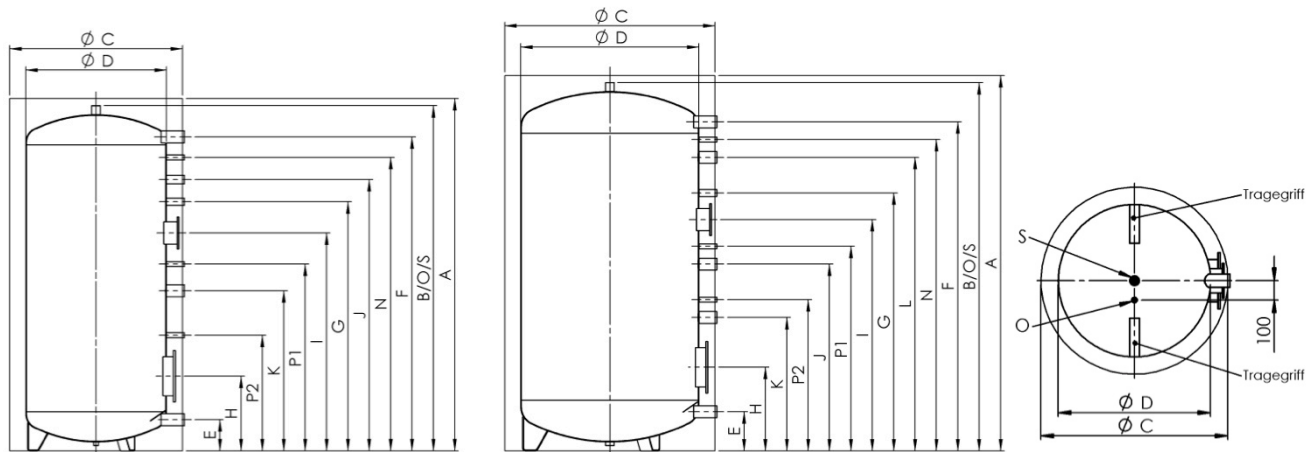
Use	Dimensions	200	300	400	500	600	
A	Height	with insulation - mm	1215	1570	1500	1800	2000
		without insulation - mm	-	-	-	-	-
C	Diameter	with insulation - mm	600	650	750	750	750
		without insulation - mm	500	550	650	650	650
E	Cold water	Height - mm	130	140	155	155	155
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
F	Hot water	Height - mm	1215	1570	1500	1800	2000
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
G	Circulation	Height - mm	950	1200	1150	1400	1550
		Connection - R*	½"	½"	½"	½"	½"
H	Bottom flange	Height - mm	285	295	310	310	310
		Ø - mm	180/120	180/120	180/120	180/120	180/120
I	Top flange	Height - mm	-	-	-	-	1225
		Ø - mm	-	-	-	-	180/120
J	Connection	Height - mm	850	1100	1050	1300	1450
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
K*	Connection	Height - mm	550	600	650	650	900
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
N	Thermometer	Height - mm	1010	1350	1250	1550	1750
		Connection - R*	½"	½"	½"	½"	½"
O	Sensor sleeve	Height - mm	1215	1570	1500	1800	2000
		Connection - R*	½"	½"	½"	½"	½"
P1	Sensor	Height - mm	650	700	750	750	1000
		Connection - R*	½"	½"	½"	½"	½"
P2	Sensor	Height - mm	450	500	550	550	550
		Connection - R*	½"	½"	½"	½"	½"

* **Warning:** Heating lance installation for optimum stratification in stratified hot water storage tanks

Electric and stratified hot water storage tanks Stainless steel V4A - EL/C 800 - 2000 litres

800 – 1250 litres

1500 – 2000 litres

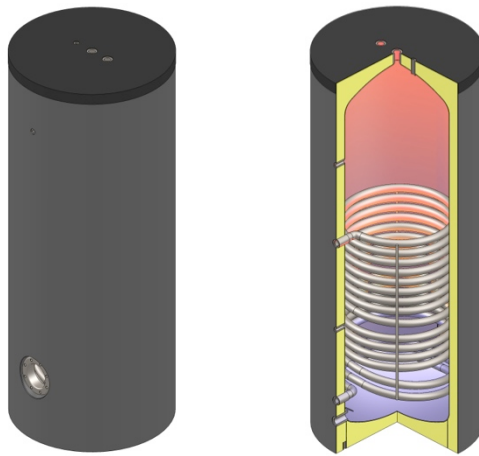


	Use	Dimensions	800	1000	1250	1500	1750	2000
A	Height	with insulation - mm	1980	2180	2230	2110	2140	2340
B		without insulation - mm	1940	2140	2190	2070	2100	2300
C	Diameter	with insulation - mm	990	990	1100	1200	1300	1300
D		without insulation - mm	790	790	900	1000	1100	1100
E	Cold water	Height - mm	175	175	200	220	235	235
		Connection - R*	2"	2"	2"	2"	2"	2"
F	Hot water	Height - mm	1765	1965	1990	1850	1865	2065
		Connection - R*	2"	2"	2"	2"	2"	2"
G	Circulation	Height - mm	1400	1600	1620	1450	1450	1650
		Connection - R*	1"	1"	1"	1"	1"	1"
H	Bottom flange	Height - mm	420	420	450	470	480	480
		Ø - mm	290/220	290/220	290/220	290/220	290/220	290/220
I	Top flange	Height - mm	1225	1375	1400	1300	1300	1500
		Ø - mm	180/120	180/120	180/120	180/120	180/120	180/120
J*	Connection	Height - mm	1525	1725	1750	1050	1000	1200
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	2" *	2" *	2" *
K*	Connection	Height - mm	900	1000	1020	750	740	750
		Connection - R*	2" *	2" *	2" *	2"	2"	2"
L	Connection	Height - mm	-	-	-	1650	1600	1800
		Connection - R*	-	-	-	2"	2"	2"
N	Thermometer	Height - mm	1650	1850	1870	1750	1750	1950
		Connection - R*	½"	½"	½"	½"	½"	½"
O	Sensor sleeve	Height - mm	1940	2140	2190	2070	2100	2300
		Connection - R*	½"	½"	½"	½"	½"	½"
P1	Sensor	Height - mm	1050	1150	1170	1150	1150	1350
		Connection - R*	½"	½"	½"	½"	½"	½"
P2	Sensor	Height - mm	650	650	680	850	870	900
		Connection - R*	½"	½"	½"	½"	½"	½"
S	Top connection	Height - mm	1940	2140	2190	2070	2100	2300
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"

* **Warning:** Heating lance installation for optimum stratification in stratified hot water storage tanks

R3

Domestic hot water storage tank with 1 heat exchanger Enamelled - SF/E 150 - 1000 litres



The enamelled hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources. If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank. From 600 litres, it can also be supplemented with two electric heaters for load-dependent switching and reheating.

Design

The hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Hot water storage tanks with a volume of 800 litres or greater are externally coated with a corrosion-protection paint.

Heat exchanger

A welded large-surface heat exchanger. Externally enamelled. Heat exchanger from 1" diameter steel tube, or 1 ¼" diameter from 800 litres

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.

SVGW Number: 1006-5752

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/ SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through large heat exchanger
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Domestic hot water storage tank with 1 heat exchanger Enamelled - SF/E 150 - 1000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

New German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 600 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 150 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions

1 x thermometer with thermowell
from 800 litres Part no. T 80/100
Part no. T 80/200

1 x thermowell 150 litres 500 mm Part no. 11007
from 150 litres 1000 mm Part no. 11008

Magnesium protection anode

150 – 400 litres	1 x	750 mm	Part no. 10007 750
500 litres	1 x	1000 mm	Part no. 10007 1000
600 – 1000 litres	1 x	520 mm	Part no. 10007 520
	1 x	1000 mm	Part no. 10007 1000

3 x set screws 800 – 1000 litres

Domestic hot water storage tank with 1 heat exchanger Enamelled - SF/E 150 - 1000 litres

Type SF/E	Units	150	200	300	400	500	600	800	1000
Gross content	l	155	201	325	426	524	589	830	925
Net content	l	147	192	311	412	501	566	791	886
dia. with insulation	mm	600	600	650	750	750	750	990	990
dia. without insulation	mm	500	500	550	650	650	650	790	790
Height with insulation	mm	970	1215	1570	1500	1800	2000	1980	2180
Tilted dimension	mm	1145	1355	1700	1680	1950	2140	1990	2190
Heating operating pressure	bar	6	6	6	6	6	6	6	6
Water operating pressure	bar	6	6	6	6	6	6	6	6
Test pressure	bar	12	12	12	12	12	12	12	12
max. operating temperature	°C	95	95	95	95	95	95	95	95
Weight	kg	69	87	116	136	161	173	258	274
Part no.		10490/ EN	10500/ EN	10501/ EN	10502/ EN	10503/ EN	10504/ EF	10505/ EF	10506/ EF
Insulation		50-mm quick-foamed rigid polyurethane foam						100 mm rigid foam	
Standby heat losses	kWh/24h	1.23	1.39	2.01	2.17	2.48	2.85	3.26	3.44
Weight	kg							35	40
Part no.								10505/ HS	10506/ HS

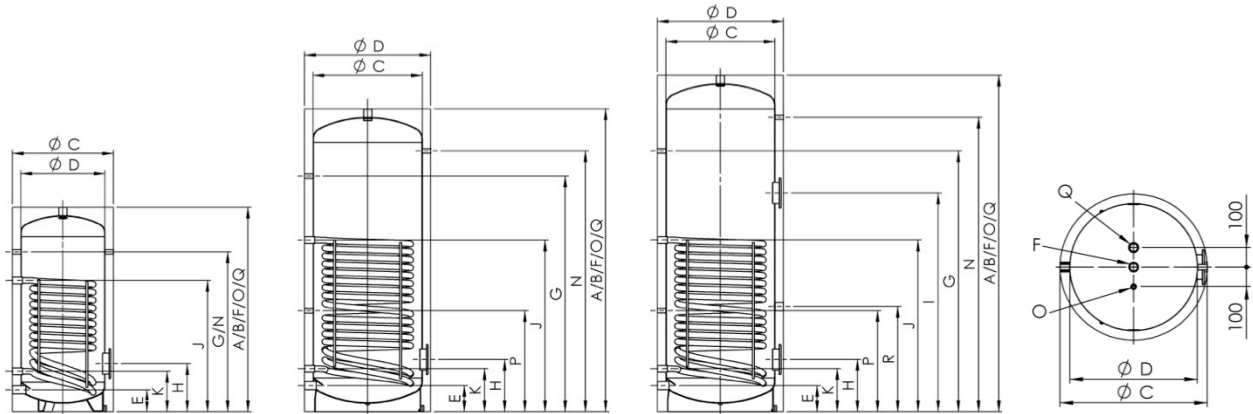
Type SF/E	Units	150	200	300	400	500	600	800	1000
Coil	m ²	1.0	1.4	1.7	2.0	2.6	2.6	3.7	3.7
coil capacity	l	6.6	9.2	11.1	13.1	17.0	17.0	29.6	29.6
Throughput	m ³ / h	1.3	1.8	2.2	2.5	3.3	3.3	4.7	4.7
Pressure loss	mbar	20	40	70	110	230	230	160	160
Continuous output 10 °C/45 °C/80 °C	l/h	362	507	615	724	941	941	1339	1339
max. coil output	kW	14.7	20.6	25.0	29.5	38.3	38.3	54.5	54.4
Performance factor	N _L	2.0	3.0	4.0	7.0	11.0	14.0	24.0	26.0

Domestic hot water storage tank with 1 heat exchanger Enamelled - SF/E 150 - 600 litres

150 litres

200 – 500 litres

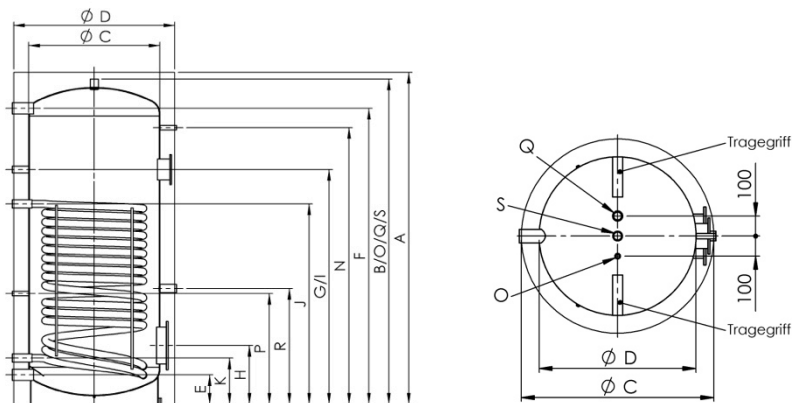
600 litres



	Use	Dimensions	150	200	300	400	500	600
A	Height	with insulation - mm	970	1215	1570	1500	1800	2000
B		without insulation - mm	-	-	-	-	-	-
C	Diameter	with insulation - mm	600	600	650	750	750	750
D		without insulation - mm	500	500	550	650	650	650
E	Cold water	Height - mm	130	130	140	155	155	155
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
F	Hot water	Height - mm	970	1215	1570	1500	1800	2000
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
G	Circulation	Height - mm	760	950	1200	1150	1400	1550
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
H	Bottom flange	Height - mm	285	285	295	310	310	310
		Ø - mm	180/120	180/120	180/120	180/120	180/120	180/120
I	Top flange	Height - mm	-	-	-	-	-	1080
		Ø - mm	-	-	-	-	-	180/120
J	Supply coil	Height - mm	640	780	840	855	1020	1020
		Connection - R*	1"	1"	1"	1"	1"	1"
K	Return coil	Height - mm	240	240	240	255	255	255
		Connection - R*	1"	1"	1"	1"	1"	1"
N	Thermometer	Height - mm	760	950	1350	1250	1550	1750
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
O	Sensor sleeve	Height - mm	970	1215	1570	1500	1800	2000
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
P	Sensor	Height - mm	-	-	570	590	600	600
		Connection - R*	-	-	1/2"	1/2"	1/2"	1/2"
Q	Magnesium anode	Height - mm	970	1215	1570	1500	1800	2000
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
R	Magnesium anode	Height - mm	-	-	-	-	-	625
		Connection - R*	-	-	-	-	-	1 1/4"

Domestic hot water storage tank with 1 heat exchanger Enamelled - SF/E 800 - 1000 litres

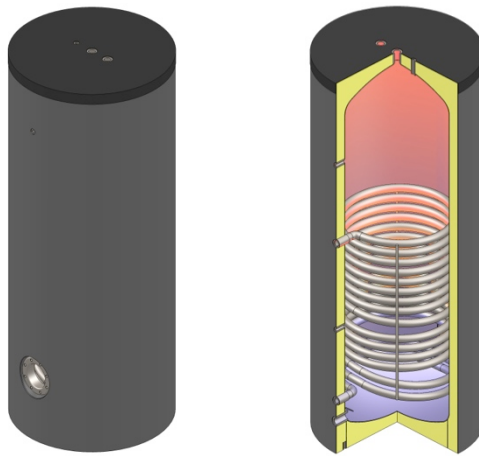
800 – 1000 litres



	Use	Dimensions	800	1000
A	Height	with insulation - mm	1980	2180
B		without insulation - mm	1940	2140
C	Diameter	with insulation - mm	990	990
D		without insulation - mm	790	790
E	Cold water	Height - mm	175	175
		Connection - R*	2"	2"
F	Hot water	Height - mm	1765	1965
		Connection - R*	2"	2"
G	Circulation	Height - mm	1400	1600
		Connection - R*	1"	1"
H	Bottom flange	Height - mm	350	350
		Ø - mm	290/220	290/220
I	Top flange	Height - mm	1400	1400
		Ø - mm	180/120	180/120
J	Supply coil	Height - mm	1195	1195
		Connection - R*	1 ¼"	1 ¼"
K	Return coil	Height - mm	275	275
		Connection - R*	1 ¼"	1 ¼"
N	Thermometer	Height - mm	1650	1850
		Connection - R*	½"	½"
O	Sensor sleeve	Height - mm	1940	2140
		Connection - R*	½"	½"
P	Sensor	Height - mm	660	660
		Connection - R*	½"	½"
Q	Magnesium anode	Height - mm	1940	2140
		Connection - R*	1 ¼"	1 ¼"
R	Magnesium anode	Height - mm	690	690
		Connection - R*	1 ¼"	1 ¼"
S	Top connection	Height - mm	1940	2140
		Connection - R*	1 ¼"	1 ¼"

R4

Domestic hot water storage tank with 1 heat exchanger Stainless steel V4A - SF/C 200 - 2000 litres



The stainless steel V4A hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources. If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank. From 600 litres, it can also be supplemented with two electric heaters for load-dependent switching and reheating.

Design

EiTherm hot water storage tanks are manufactured from high quality stainless steel V4A. The hot water storage tanks are designed, manufactured and certified according to EN 12897:2006.

Anti-corrosion protection

Each hot water storage tank is pickled and cleaned in order to ensure that the greatest possible protection is attained.

Heat exchanger

A welded large-surface heat exchanger. Heat exchanger from 1" diameter stainless steel tube, or 1 1/4" diameter from 800 litres

Tests and certificates

All vessels are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.

SVGW Number: 1006-5750

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through large heat exchanger
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Domestic hot water storage tank with 1 heat exchanger Stainless steel V4A - SF/C 200 - 2000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

New German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 600 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 200 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions		
1 x thermometer with thermowell		Part no. T 80/100 C
	from 800 litres	Part no. T 80/200 C
1 x thermowell 1000 mm		Part no. 11008/C

Domestic hot water storage tank with 1 heat exchanger Stainless steel V4A - SF/C 200 - 2000 litres

Type SF/C	Units	200	300	400	500	600	800	1000	1250	1500	1750	2000
Gross capacity	l	201	325	426	524	589	830	925	1226	1413	1728	1926
Net capacity	l	193	313	415	507	572	802	886	1192	1379	1680	1873
dia. with insulation	mm	600	650	750	750	750	990	990	1100	1200	1300	1300
dia. without insulation	mm	500	550	650	650	650	790	790	900	1000	1100	1100
Height with insulation	mm	1215	1570	1500	1800	2000	1980	2180	2230	2110	2140	2340
Tilted dimension	mm	1355	1700	1680	1950	2140	1990	2190	2260	2120	2200	2355
Heating operating pressure	bar	6	6	6	6	6	6	6	6	6	6	6
Water operating pressure	bar	6	6	6	6	6	6	6	6	6	6	6
Test pressure	bar	12	12	12	12	12	12	12	12	12	12	12
max. operating temperature	°C	95	95	95	95	95	95	95	95	95	95	95
Weight	kg	75	103	119	140	153	221	236	275	307	340	372
Part no.		10500/ CN	10501/ CN	10502/ CN	10503/ CN	10504/ CF	10505/ CF	10506/ CF	10509/ CF	10507/ CF	10510/ CF	10508/ CF
Insulation		50 mm rigid foam polyurethane quick expanded					100 mm rigid foam					
Standby heat losses	kWh/24h	1.39	2.01	2.17	2.48	2.85	3.26	3.44	3.60	3.77	4.01	4.38
Weight	kg						35	40	45	50	55	60
Part no.							10505/ HS	10506/ HS	10509/ HS	10507/ HS	10510/ HS	10508/ HS

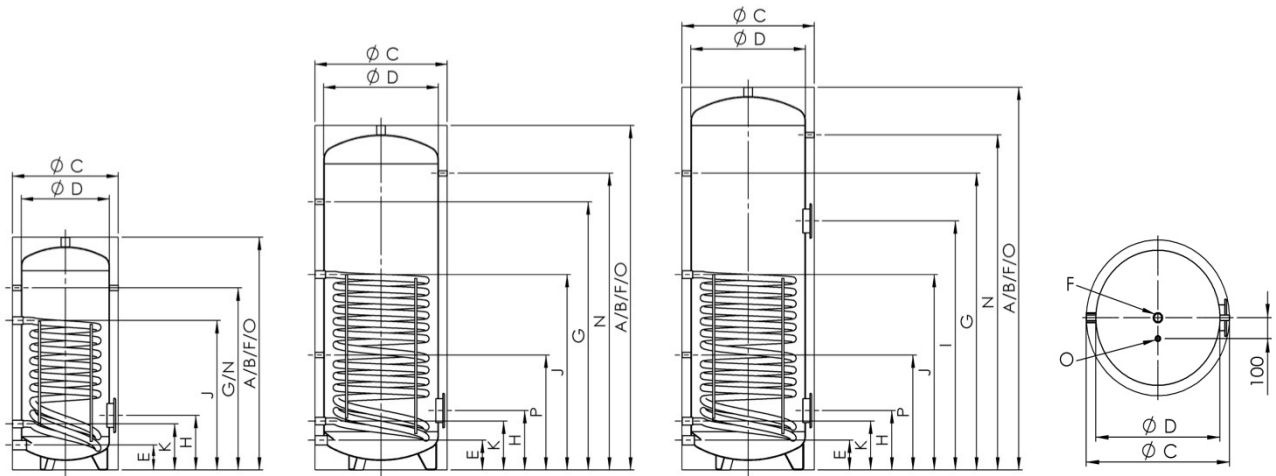
Type SF/C	Units	200	300	400	500	600	800	1000	1250	1500	1750	2000
Coil	m ²	1.0	1.4	1.7	2.1	2.1	2.7	2.7	3.3	4.3	4.6	5.0
coil capacity	l	6.6	9.2	11.1	13.7	13.7	22.7	22.7	27.6	33.5	38.5	41.9
Throughput	m ³ / h	1.7	2.4	2.9	3.5	3.5	4.5	4.5	5.5	7.2	7.7	8.4
Pressure loss	mbar	30	70	120	200	200	100	100	190	390	490	630
Continuous output 10 °C/45 °C/80 °C	l/h	479	670	813	1106	1106	1292	1292	1580	2058	2201	2393
max. coil output	kW	19.5	27.3	33.1	41.0	41.0	52.6	52.6	64.3	83.7	89.6	97.4
Performance factor	N _L *	3.0	5.0	8.0	12.0	14.0	22.0	25.0	34.0	47.0	50.0	52.0

Domestic hot water storage tank with 1 heat exchanger Stainless steel V4A - SF/C 200 - 600 litres

200 litres

300 – 500 litres

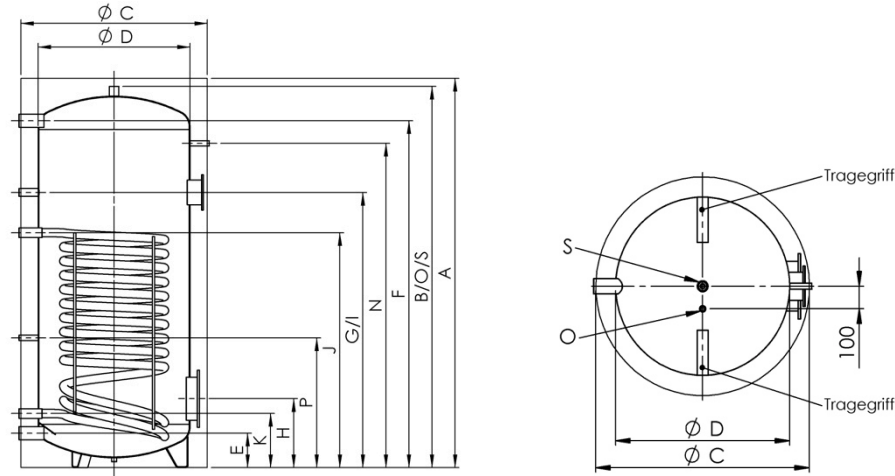
600 litres



	Use	Dimensions	200	300	400	500	600
A	Height	with insulation - mm	1215	1570	1500	1800	2000
B		without insulation - mm	-	-	-	-	-
C	Diameter	with insulation - mm	600	650	750	750	750
D		without insulation - mm	500	550	650	650	650
E	Cold water	Height - mm	130	140	155	155	155
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
F	Hot water	Height - mm	1215	1570	1500	1800	2000
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
G	Circulation	Height - mm	950	1200	1150	1400	1550
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"
H	Bottom flange	Height - mm	285	295	310	310	310
		Ø - mm	180/120	180/120	180/120	180/120	180/120
I	Top flange	Height - mm	-	-	-	-	1080
		Ø - mm	-	-	-	-	180/120
J	Supply coil	Height - mm	780	840	855	1020	1020
		Connection - R*	1"	1"	1"	1"	1"
K	Return coil	Height - mm	240	240	255	255	255
		Connection - R*	1"	1"	1"	1"	1"
N	Thermometer	Height - mm	950	1350	1250	1550	1750
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"
O	Sensor sleeve	Height - mm	1215	1570	1500	1800	2000
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"
P	Sensor	Height - mm	-	570	590	600	600
		Connection - R*	-	1/2"	1/2"	1/2"	1/2"

Domestic hot water storage tank with 1 heat exchanger Stainless steel V4A - SF/C 800 - 2000 litres

800 – 2000 litres

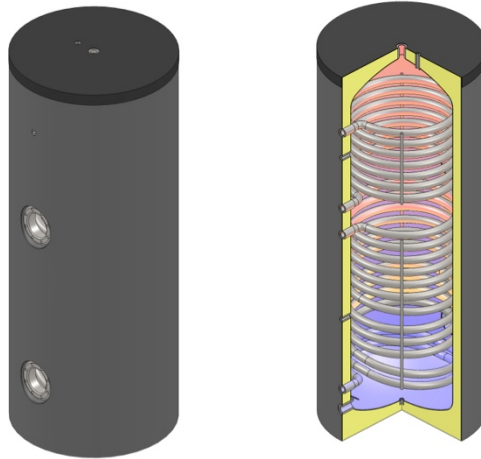


	Use	Dimensions	800	1000	1250	1500	1750	2000
A	Height	with insulation - mm	1980	2180	2230	2110	2140	2340
B		without insulation - mm	1940	2140	2190	2070	2100	2300
C	Diameter	with insulation - mm	990	990	1100	1200	1300	1300
D		without insulation - mm	790	790	900	1000	1100	1100
E	Cold water	Height - mm	175	175	200	220	235	235
		Connection - R*	2"	2"	2"	2"	2"	2"
F	Hot water	Height - mm	1765	1965	1990	1730	1730	1930
		Connection - R*	2"	2"	2"	2"	2"	2"
G	Circulation	Height - mm	1400	1600	1600	1450	1450	1650
		Connection - R*	1"	1"	1"	1"	1"	1"
H	Bottom flange	Height - mm	350	350	400	470	480	480
		Ø - mm	290/220	290/220	290/220	290/220	290/220	290/220
I	Top flange	Height - mm	1400	1400	1300	1350	1350	1400
		Ø - mm	180/120	180/120	180/120	180/120	180/120	180/120
J	Supply coil	Height - mm	1195	1195	1320	1250	1250	1310
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
K	Return coil	Height - mm	275	275	320	360	360	360
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
N	Thermometer	Height - mm	1650	1850	1900	1750	1750	1950
		Connection - R*	½"	½"	½"	½"	½"	½"
O	Sensor sleeve	Height - mm	1940	2140	2190	2070	2100	2300
		Connection - R*	½"	½"	½"	½"	½"	½"
P	Sensor	Height - mm	660	660	680	590	600	600
		Connection - R*	½"	½"	½"	½"	½"	½"
S	Top connection	Height - mm	1940	2140	2190	2070	2100	2300
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"

R5

Domestic hot water storage tank for solar system with 2 heat exchangers

Enamelled - DSFF/E 300 - 1000 litres



The enamelled hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources. If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank. Two electric heaters can be installed for load-dependent switching and reheating in connection with a solar system.

Design

The hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Hot water storage tanks with a volume of 800 litres or greater are externally coated with a corrosion-protection paint.

Heat exchanger

Two welded large-surface heat exchangers. Externally enamelled. Heat exchanger from 1" diameter steel tube, or 1 1/4" diameter from 800 litres

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.
SVGW Number: 1006-5752

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/ SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through two large heat exchangers
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Domestic hot water storage tank for solar system with 2 heat exchangers

Enamelled - DSFF/E 300 - 1000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

New German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 300 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 300 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions

1 x thermometer with thermowell
 from 800 litres Part no. T 80/200

1 x thermowell 1000 mm Part no. 11008

Magnesium protection anode

300 – 400 litres	1 x	750 mm	Part no. 10007 750
500 litres	1 x	1000 mm	Part no. 10007 1000
600 – 1000 litres	1 x	520 mm	Part no. 10007 520
	1 x	1000 mm	Part no. 10007 1000

3 x set screws 800 – 1000 litres

Domestic hot water storage tank for solar system with 2 heat exchangers

Enamelled - DSFF/E 300 - 1000 litres

Type DSFF/E	Units	300	400	500	600	800	1000
Gross capacity	l	325	426	524	589	830	925
Net capacity	l	303	401	490	550	780	863
dia. with insulation	mm	650	750	750	750	990	990
dia. without insulation	mm	550	650	650	650	790	790
Height with insulation	mm	1570	1500	1800	2000	1980	2180
Tilted dimension	mm	1700	1680	1950	2140	1990	2190
Heating operating pressure	bar	6	6	6	6	6	6
Water operating pressure	bar	6	6	6	6	6	6
Test pressure	bar	12	12	12	12	12	12
max. operating temperature	°C	95	95	95	95	95	95
Weight	kg	134	152	185	205	279	318
Part no.		10700/EN	10701/EN	10702/EN	10703/EN	10704/EN	10705/EN
Insulation		50-mm quick-foamed rigid polyurethane foam				100 mm rigid foam	
Standby heat losses	kWh/24h	1.39	2.01	2.17	2.48	2.85	3.26
Weight	kg					35	40
Part no.						10704/HS	10705/HS

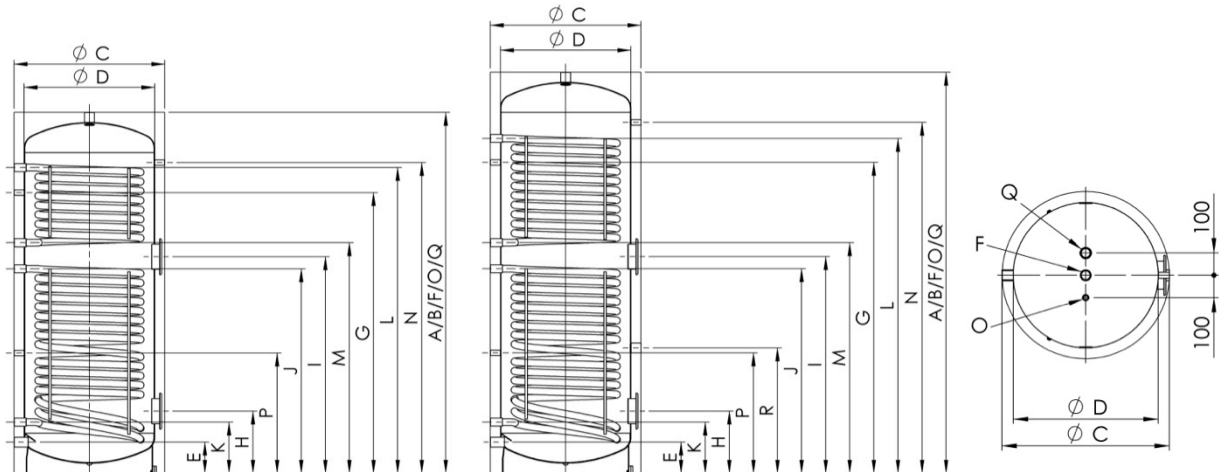
Type DSFF/E	Units	300	400	500	600	800	1000
Bottom coil	m ²	1.7	2.0	2.6	2.6	3.0	3.7
Coil capacity	l	11.1	13.1	17.0	17.0	24.3	29.6
Throughput	m ³ / h	2.2	2.5	3.3	3.3	3.8	4.7
Pressure loss	mbar	70	110	230	230	90	160
Continuous output 10 °C/45 °C/80 °C	l/h	615	724	941	941	1085	1339
max. coil output	kW	25.0	29.5	38.3	38.3	44.2	54.5
Performance factor	N _L	4.0	7.0	11.0	14.0	24.0	26.0
Top coil	m ²	1.0	0.9	1.4	1.9	1.8	2.2
Coil capacity	l	6.6	5.9	9.2	12.3	15.0	18.6
Throughput	m ³ / h	1.3	1.2	1.8	2.4	2.3	2.8
Pressure loss	mbar	30	20	40	90	30	40
Continuous output 10 °C/45 °C/80 °C	l/h	362	326	507	687	651	796
max. coil output	kW	14.7	13.3	20.6	28.0	26.5	32.4
Performance factor	N _L	1.0	1.0	3.0	4.0	5.0	6.0

Domestic hot water storage tank for solar system with 2 heat exchangers

Enamelled - DSFF/E 300 - 600 litres

300 – 500 litres

600 litres

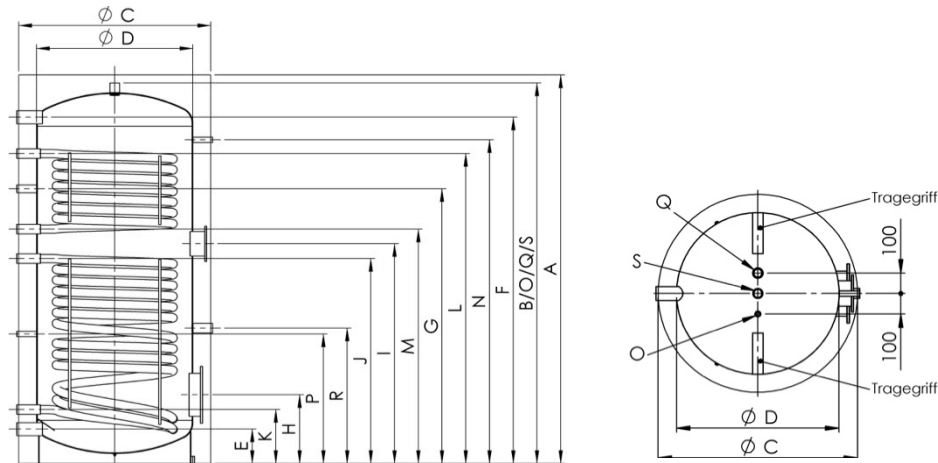


	Use	Dimensions	300	400	500	600
A	Height	with insulation - mm	1570	1500	1800	2000
B		without insulation - mm	-	-	-	-
C	Diameter	with insulation - mm	650	750	750	750
D		without insulation - mm	550	650	650	650
E	Cold water	Height - mm	140	155	155	155
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
F	Hot water	Height - mm	1570	1500	1800	2000
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
G	Circulation	Height - mm	1200	1150	1400	1550
		Connection - R*	½"	½"	½"	½"
H	Bottom flange	Height - mm	295	310	310	310
		Ø - mm	180/120	180/120	180/120	180/120
I	Top flange	Height - mm	920	930	1080	1080
		Ø - mm	180/120	180/120	180/120	180/120
J	Supply bottom coil	Height - mm	840	855	1020	1020
		Connection - R*	1"	1"	1"	1"
K	Return bottom coil	Height - mm	240	255	255	255
		Connection - R*	1"	1"	1"	1"
L	Supply top coil	Height - mm	1330	1235	1525	1670
		Connection - R*	1"	1"	1"	1"
M	Return top coil	Height - mm	1000	1000	1150	1150
		Connection - R*	1"	1"	1"	1"
N	Thermometer	Height - mm	1350	1250	1550	1750
		Connection - R*	½"	½"	½"	½"
O	Sensor sleeve	Height - mm	1570	1500	1800	2000
		Connection - R*	½"	½"	½"	½"
P	Sensor	Height - mm	570	590	600	600
		Connection - R*	½"	½"	½"	½"
Q	Magnesium anode	Height - mm	1570	1500	1800	2000
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
R	Magnesium anode	Height - mm	-	-	-	625
		Connection - R*	-	-	-	1 ¼"

Domestic hot water storage tank for solar system with 2 heat exchangers

Enamelled - DSFF/E 800 - 1000 litres

800 – 1000 litres

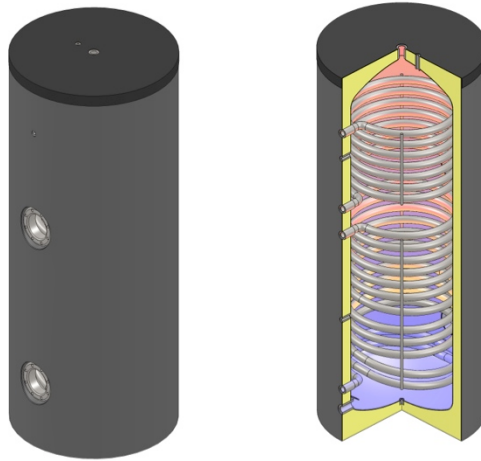


	Use	Dimensions	800	1000
A	Height	with insulation - mm	1980	2180
B		without insulation - mm	1940	2140
C	Diameter	with insulation - mm	990	990
D		without insulation - mm	790	790
E	Cold water	Height - mm	175	175
		Connection - R*	2"	2"
F	Hot water	Height - mm	1765	1965
		Connection - R*	2"	2"
G	Circulation	Height - mm	1400	1600
		Connection - R*	1"	1"
H	Bottom flange	Height - mm	350	350
		Ø - mm	290/220	290/220
I	Top flange	Height - mm	1120	1275
		Ø - mm	180/120	180/120
J	Supply bottom coil	Height - mm	1045	1195
		Connection - R*	1 ¼"	1 ¼"
K	Return bottom coil	Height - mm	275	275
		Connection - R*	1 ¼"	1 ¼"
L	Supply top coil	Height - mm	1580	1845
		Connection - R*	1 ¼"	1 ¼"
M	Return top coil	Height - mm	1195	1350
		Connection - R*	1 ¼"	1 ¼"
N	Thermometer	Height - mm	1650	1850
		Connection - R*	½"	½"
O	Sensor sleeve	Height - mm	1940	2140
		Connection - R*	½"	½"
P	Sensor	Height - mm	660	660
		Connection - R*	½"	½"
Q	Magnesium anode	Height - mm	1940	2140
		Connection - R*	1 ¼"	1 ¼"
R	Magnesium anode	Height - mm	690	690
		Connection - R*	1 ¼"	1 ¼"
S	Top connection	Height - mm	1940	2140
		Connection - R*	1 ¼"	1 ¼"

R6

Domestic hot water storage tank for solar system with 2 heat exchangers

Stainless steel V4A - DSFF/C 300 - 2000 litres



The stainless steel V4A hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources. If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank. Two electric heaters can be installed for load-dependent switching and reheating in connection with a solar system.

Design

EiTherm hot water storage tanks are manufactured from high quality stainless steel V4A. The hot water storage tanks are designed, manufactured and certified according to EN 12897:2006.

Anti-corrosion protection

Each hot water storage tank is pickled and cleaned in order to ensure that the greatest possible protection is attained.

Heat exchanger

Two welded large-surface heat exchangers. Heat exchanger from 1" diameter stainless steel tube, or 1 1/4" diameter from 800 litres

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.
SVGW Number: 1006-5750

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through two large heat exchangers
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Domestic hot water storage tank for solar system with 2 heat exchangers

Stainless steel V4A - DSFF/C 300 - 2000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

New German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 300 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 300 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions

1 x thermometer with thermowell

1 x thermowell 1000 mm

from 800 litres

Part no. T 80/100 C

Part no. T 80/200 C

Part no. 11008/C

Domestic hot water storage tank for solar system with 2 heat exchangers

Stainless steel V4A - DSFF/C 300 - 2000 litres

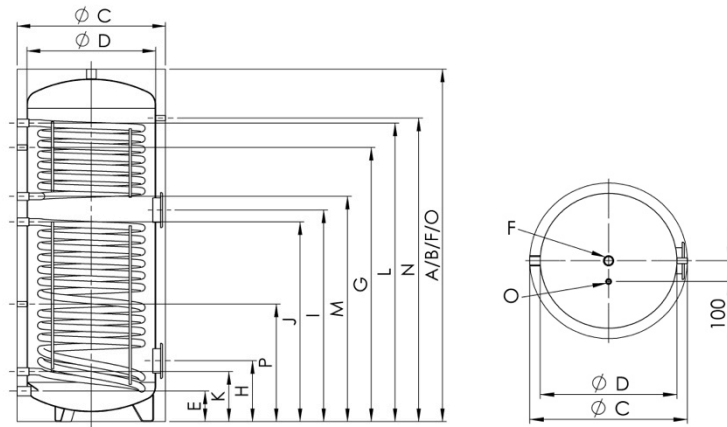
Type DSFF/C	Units	300	400	500	600	800	1000	1250	1500	1750	2000
Gross capacity	l	325	426	524	589	830	925	1226	1413	1728	1926
Net capacity	l	305	403	497	562	788	878	1166	1352	1661	1851
dia. with insulation	mm	650	750	750	750	990	990	1100	1200	1300	1300
dia. without insulation	mm	550	650	650	650	790	790	900	1000	1100	1100
Height with insulation	mm	1570	1500	1800	2000	1980	2180	2230	2110	2140	2340
Tilted dimension	mm	1700	1680	1950	2140	1990	2190	2260	2120	2200	2355
Heating operating pressure	bar	6	6	6	6	6	6	6	6	6	6
Water operating pressure	bar	6	6	6	6	6	6	6	6	6	6
Test pressure	bar	12	12	12	12	12	12	12	12	12	12
max. operating temperature	°C	95	95	95	95	95	95	95	95	95	95
Weight	kg	120	137	161	172	246	270	320	337	372	411
Part no.		10700/ CN	10701/ CN	10702/ CN	10703/ CN	10704/ CN	10705/ CN	10708/ CN	10706/ CN	10709/ CN	10707/ CN
Insulation		50 mm rigid foam polyurethane quick expanded				100 mm rigid foam					
Standby heat losses	kWh/24h	1.39	2.01	2.17	2.48	2.85	3.26	3.44	3.60	3.77	4.01
Weight	kg						35	40	45	50	55
Part no.						10704/ HS	10705/ HS	10708/ HS	10706/ HS	10709/ HS	10707/H S

Type DSFF/C	Units	300	400	500	600	800	1000	1250	1500	1750	2000
Bottom coil	m ²	1.4	1.7	2.1	2.1	2.7	2.7	3.3	3.2	3.6	4.3
Coil capacity	l	9.2	11.1	13.7	13.7	22.7	22.7	27.6	26.3	30.1	33.5
Throughput	m ³ / h	2.3	2.8	3.5	3.5	4.5	4.5	5.5	5.4	6.0	7.2
Pressure loss	mbar	60	110	200	200	100	100	180	170	240	400
Continuous output 10 °C/45 °C/80 °C	l/h	670	813	1005	1005	1292	1292	1579	1531	1723	2058
max. coil output	kW	27.3	33.1	40.9	40.9	52.6	52.6	64.3	62.3	70.1	83.7
Performance factor	N _L	5	8	12	15	22	24	32	34	40	45
Top coil	m ²	1.0	1.1	1.2	1.2	1.4	1.8	2.5	2.5	2.9	2.9
Coil capacity	l	6.6	7.2	7.8	7.8	11.7	15.0	20.9	20.9	24.3	24.3
Throughput	m ³ / h	1.7	1.8	2.0	2.0	2.4	3.0	4.2	4.2	4.9	4.9
Pressure loss	mbar	30	30	40	40	20	30	80	90	130	130
Continuous output 10 °C/45 °C/80 °C	l/h	479	526	574	574	670	861	1196	1196	1388	1388
max. coil output	kW	19.5	21.4	23.4	23.4	27.3	35.1	48.7	48.7	56.5	56.5
Performance factor	N _L	1	2	3	3	5	6	10	17	20	22

Domestic hot water storage tank for solar system with 2 heat exchangers

Stainless steel V4A - DSFF/C 300 - 600 litres

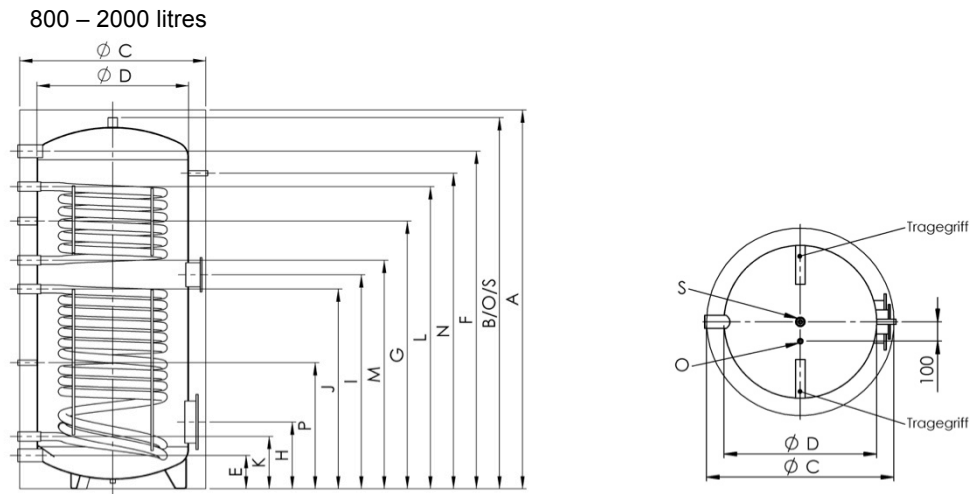
300 – 600 litres



	Use	Dimensions	300	400	500	600
A	Height	with insulation - mm	1570	1500	1800	2000
B		without insulation - mm	-	-	-	-
C	Diameter	with insulation - mm	650	750	750	750
D		without insulation - mm	550	650	650	650
E	Cold water	Height - mm	140	155	155	155
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
F	Hot water	Height - mm	1570	1500	1800	2000
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
G	Circulation	Height - mm	1200	1150	1400	1550
		Connection - R*	½"	½"	½"	½"
H	Bottom flange	Height - mm	295	310	310	310
		Ø - mm	180/120	180/120	180/120	180/120
I	Top flange	Height - mm	920	930	1080	1080
		Ø - mm	180/120	180/120	180/120	180/120
J	Supply bottom coil	Height - mm	840	855	1020	1020
		Connection - R*	1"	1"	1"	1"
K	Return bottom coil	Height - mm	240	255	255	255
		Connection - R*	1"	1"	1"	1"
L	Supply top coil	Height - mm	1330	1235	1525	1670
		Connection - R*	1"	1"	1"	1"
M	Return top coil	Height - mm	1000	1000	1150	1295
		Connection - R*	1"	1"	1"	1"
N	Thermometer	Height - mm	1350	1250	1550	1750
		Connection - R*	½"	½"	½"	½"
O	Sensor sleeve	Height - mm	1570	1500	1800	2000
		Connection - R*	½"	½"	½"	½"
P	Sensor	Height - mm	570	590	600	600
		Connection - R*	½"	½"	½"	½"

Domestic hot water storage tank for solar system with 2 heat exchangers

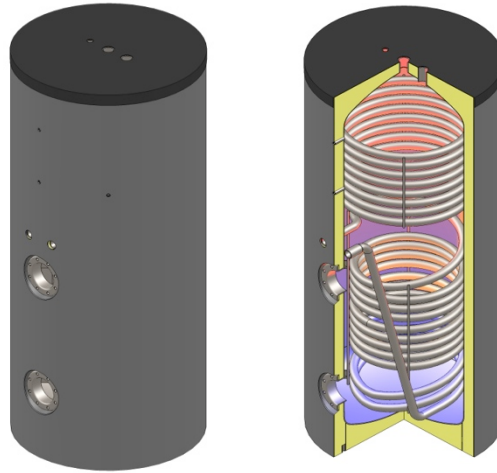
Stainless steel V4A - DSFF/C 800 - 2000 litres



Use	Dimensions	800	1000	1250	1500	1750	2000
A Height	with insulation - mm	1980	2180	2230	2110	2140	2340
	without insulation - mm	1940	2140	2190	2070	2100	2300
C Diameter	with insulation - mm	990	990	1100	1200	1300	1300
	without insulation - mm	790	790	900	1000	1100	1100
E Cold water	Height - mm	175	175	200	220	235	235
	Connection - R*	2"	2"	2"	2"	2"	2"
F Hot water	Height - mm	1765	1965	1990	1730	1730	1930
	Connection - R*	2"	2"	2"	2"	2"	2"
G Circulation	Height - mm	1400	1600	1600	1450	1400	1650
	Connection - R*	1"	1"	1"	1"	1"	1"
H Bottom flange	Height - mm	350	350	400	470	480	480
	Ø - mm	290/220	290/220	290/220	290/220	290/220	290/220
I Top flange	Height - mm	1120	1275	1300	1090	1140	1240
	Ø - mm	180/120	180/120	180/120	180/120	180/120	180/120
J Supply bottom coil	Height - mm	1045	1195	1220	1020	1070	1130
	Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
K Return bottom coil	Height - mm	275	275	320	360	360	360
	Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
L Supply top coil	Height - mm	1580	1845	1880	1600	1620	1790
	Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
M Return top coil	Height - mm	1195	1350	1380	1160	1200	1350
	Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
N Thermometer	Height - mm	1650	1850	1900	1750	1750	1950
	Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
O Sensor sleeve	Height - mm	1940	2140	2190	2070	2100	2300
	Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
P Sensor	Height - mm	660	660	680	590	600	600
	Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
S Top connection	Height - mm	1940	2140	2190	2070	2100	2300
	Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"

R7

Domestic hot water storage tank for solar system with 2 heat exchangers for heating stations installed on the storage tank Enamelled - DSFFL/E 300 - 500 litres



The enamelled hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources. If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank. Two electric heaters can be installed for load-dependent switching and reheating in connection with a solar system. A heating station can be installed on the raised connections of the lower heat exchanger.

Design

The hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Hot water storage tanks with a volume of 800 litres or greater are externally coated with a corrosion-protection paint.

Heat exchanger

Two welded large-surface heat exchangers. Externally enamelled. 1" diameter steel tube

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.
SVGW Number: 1006-5752

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through two large heat exchangers
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Domestic hot water storage tank for solar system with two heat exchangers for a heating station installed on the hot water storage tank

Enamelled - DSFFL/E 300 - 500 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard - quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

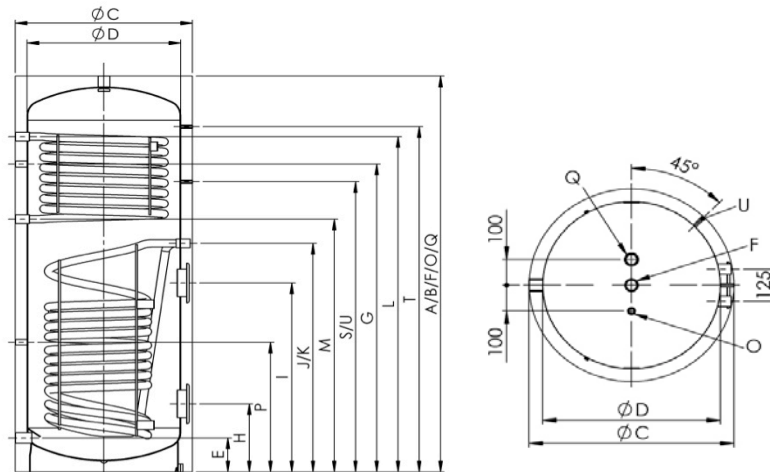
1 x operating instructions		
1 x thermowell	1000 mm	Part no. 11008
1 x Magnesium protection anode	750 mm	Part no. 10007 750

Domestic hot water storage tank for solar system with 2 heat exchangers for a heating station installed on the storage tank Enamelled - DSFFL/E 300 - 500 litres

Type DSFFL/E	Units	300	500
Gross capacity	l	325	524
Net capacity	l	303	490
dia. with insulation	mm	650	750
dia. without insulation	mm	550	650
Height with insulation	mm	1570	1800
Tilted dimension	mm	1700	1950
Heating operating pressure	bar	6	6
Water operating pressure	bar	6	6
Test pressure	bar	12	12
max. operating temperature	°C	95	95
Weight	kg	125	170
Part no.		10700/EL	10702/EL
Insulation		50-mm quick-foamed rigid polyurethane foam	
Standby heat losses	kWh/24h	2.01	2.17

Type DSFFL/E	Units	300	500
Bottom coil	m ²	1.3	1.8
Coil capacity	l	8.2	11.6
Throughput	m ³ / h	3.0	3.0
Pressure loss	mbar	180.0	250.0
Continuous output 10 °C/45 °C/80 °C	l/h	595	794
max. coil output	kW	24.6	33.2
Performance factor	N _L	6.7	9.1
Top coil	m ²	1.0	1.4
Coil capacity	l	6.6	9.2
Throughput	m ³ / h	3.0	3.0
Pressure loss	mbar	127.5	186.3
Continuous output 10 °C/45 °C/80 °C	l/h	450	637
max. coil output	kW	18.3	26.7
Performance factor	N _L	3.7	5.8

Domestic hot water storage tank for solar system with 2 heat exchangers for a heating station installed on the storage tank Enamelled - DSFFL/E 300 - 500 litres

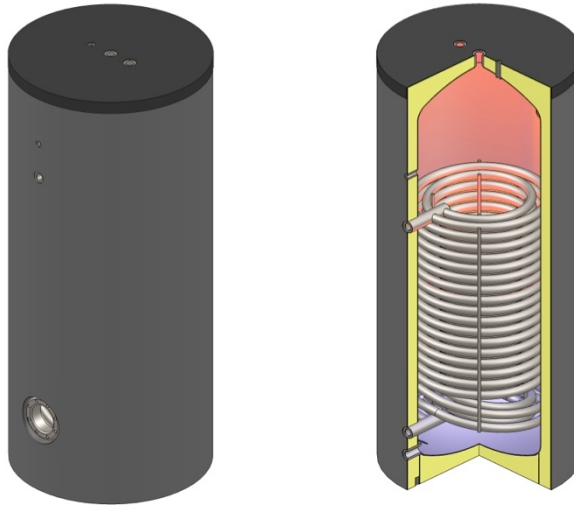


	Use	Dimensions	300	500
A	Height	with insulation - mm	1570	1800
B		without insulation - mm	1570	1800
C	Diameter	with insulation - mm	650	750
D		without insulation - mm	550	650
E	Cold water	Height - mm	140	155
		Connection - R*	1 ¼"	1 ¼"
F	Hot water	Height - mm	1570	1800
		Connection - R*	1 ¼"	1 ¼"
G	Circulation	Height - mm	1200	1400
		Connection - R*	½"	½"
H	Bottom flange	Height - mm	290	310
		Ø - mm	180/120	180/120
I	Top flange	Height - mm	750	860
		Ø - mm	180/120	180/120
J	Supply bottom coil	Height - mm	930	1040
		Connection - R*	1"	1"
K	Return bottom coil	Height - mm	930	1040
		Connection - R*	1"	1"
L	Supply top coil	Height - mm	1330	1525
		Connection - R*	1"	1"
M	Return top coil	Height - mm	1000	1150
		Connection - R*	1"	1"
O	Sensor sleeve	Height - mm	1570	1800
		Connection - R*	½"	½"
P	Sensor	Height - mm	520	590
		Connection - R*	½"	½"
Q	Magnesium anode	Height - mm	1570	1800
		Connection - R*	1 ¼"	1 ¼"
S	Suspension point 1 for heating station	Height - mm	1150	1320
		Connection	M8	M8
T	Suspension point 2 for heating station	Height - mm	1360	1570
		Connection	M8	M8
U	Suspension point for expansion vessel	Height - mm	1150	1320
		Connection	M8	M8

R8

Domestic hot water storage tank for heat pump system with 1 heat exchanger

Enamelled - WP/E 300 - 1000 litres



The enamelled hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources (especially for heat pumps). If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank. From 600 litres, it can also be supplemented with two electric heaters for load-dependent switching and reheating.

Design

The hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Hot water storage tanks with a volume of 800 litres or greater are externally coated with a corrosion-protection paint.

Heat exchanger

A welded large-surface heat exchanger. Externally enamelled. Double wound. Heat exchanger from 1" diameter steel tube, or 1 ¼" diameter from 800 litres

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.
SVGW Number: 1006-5752

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/ SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat exchange through large heat exchangers with small pressure loss
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Domestic hot water storage tank for heat pump system with 1 heat exchanger

Enamelled - WP/E 300 - 1000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

New German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 600 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 300 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions

1 x thermometer with thermowell
 from 800 litres Part no. T 80/100
 Part no. T 80/200

1 x thermowell 1000 mm Part no. 11008

Magnesium protection anode

300 litres	1 x	750 mm	Part no. 10007 750
400 litres	1 x	1000 mm	Part no. 10007 1000
500 – 800 litres	1 x	520 mm	Part no. 10007 520
	1 x	1000 mm	Part no. 10007 1000
1000 litres	1 x	750 mm	Part no. 10007 750
	1 x	1000 mm	Part no. 10007 1000

3 x set screws 800 – 1000 litres

Domestic hot water storage tank for heat pump system with 1 heat exchanger

Enamelled - WP/E 300 - 1000 litres

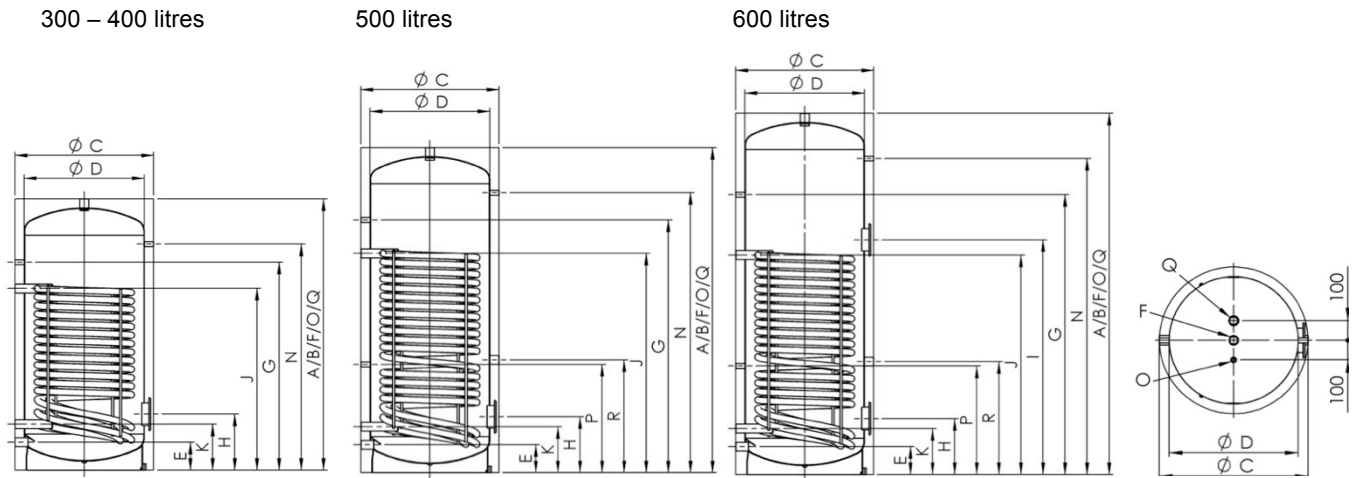
Type WP/E	Units	300	400	500	600	800	1000
Gross capacity	l	325	426	524	589	830	925
Net capacity	l	297	388	476	541	779	874
dia. with insulation	mm	650	750	750	750	990	990
dia. without insulation	mm	550	650	650	650	790	790
Height with insulation	mm	1570	1500	1800	2000	1980	2180
Tilted dimension	mm	1700	1680	1950	2140	1990	2190
Heating operating pressure	bar	6	6	6	6	6	6
Water operating pressure	bar	6	6	6	6	6	6
Test pressure	bar	12	12	12	12	12	12
max. operating temperature	°C	95	95	95	95	95	95
Weight	kg	141	179	217	228	291	308
Part no.		B300 WP/EN	B400 WP/EN	B500 WP/EN	B600 WP/EF	B800 WP/EF	B1000 WP/EF
Insulation		50-mm quick-foamed rigid polyurethane foam				100 mm rigid foam	
Standby heat losses	kWh/24h	2.01	2.17	2.48	2.85	3.26	3.44
Weight	kg					35	40
Part no.						10505/HS	10506/HS

Type WP/E	Units	300	400	500	600	800	1000
Coil	m ²	3.5	4.6	5.9	6.0	6.0	6.0
Coil capacity	l	22.3	29.4	38.5	39.2	39.2	39.2
Throughput	m ³ / h	2.5	3.0	4.0	4.0	4.0	4.0
Pressure loss	mbar	30	50	110	120	120	120
Continuous output 10 °C/ 45 °C/ 50 °C	l/h	221	295	368	368	368	368
Recommended WP power	kW	9.0	12.0	15.0	15.0	15.0	15.0
Performance factor	N _L	2.0	4.0	6.0	7.0	7.0	7.0
Throughput*	m ³ / h	4.4	5.8	7.5	7.6	7.6	7.6
Pressure loss*	mbar	90	180	360	370	370	370
Continuous output* 10 °C/45 °C/80 °C	l/h	1266	1664	2135	2171	2171	2171
max. coil output*	kW	51.5	67.7	86.9	88.4	88.4	88.4
Performance factor*	N _L	8.0	14.0	20.0	25.0	35.0	40.0

* for 80 °C supply

Domestic hot water storage tank for heat pump system with 1 heat exchanger

Enamelled - WP/E 300 - 600 litres

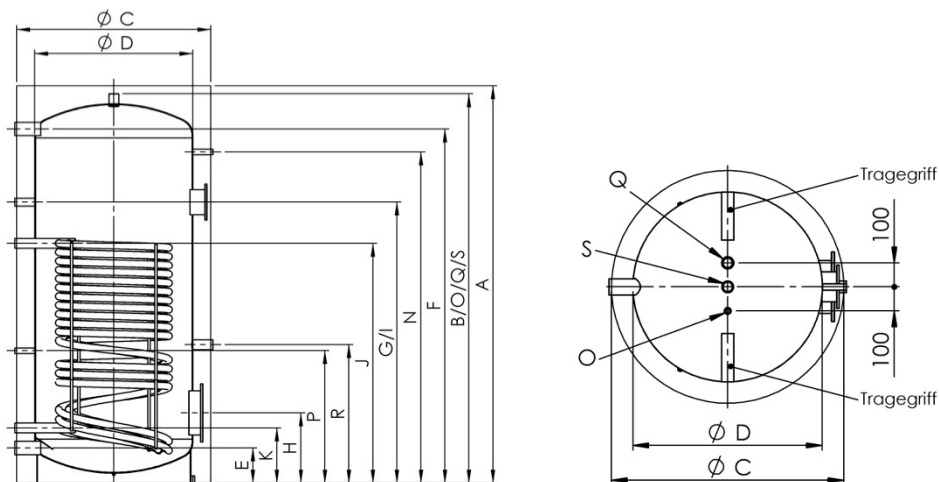


	Use	Dimensions	300	400	500	600
A	Height	with insulation - mm	1570	1500	1800	2000
B		without insulation - mm	-	-	-	-
C	Diameter	with insulation - mm	650	750	750	750
D		without insulation - mm	550	650	650	650
E	Cold water	Height - mm	140	155	155	155
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"
F	Hot water	Height - mm	1570	1500	1800	2000
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"
G	Circulation	Height - mm	1200	1150	1400	1550
		Connection - R*	1/2"	1/2"	1/2"	1/2"
H	Bottom flange	Height - mm	295	310	310	310
		Ø - mm	180/120	180/120	180/120	180/120
I	Top flange	Height - mm	-	-	-	1300
		Ø - mm	-	-	-	180/120
J	Supply coil	Height - mm	920	1005	1185	1185
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"
K	Return coil	Height - mm	240	255	255	255
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"
N	Thermometer	Height - mm	1350	1250	1550	1750
		Connection - R*	1/2"	1/2"	1/2"	1/2"
O	Sensor sleeve	Height - mm	1570	1500	1800	2000
		Connection - R*	1/2"	1/2"	1/2"	1/2"
P	Sensor	Height - mm	-	-	600	600
		Connection - R*	-	-	1/2"	1/2"
Q	Magnesium anode	Height - mm	1570	1500	1800	2000
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"
R	Magnesium anode	Height - mm	-	-	625	625
		Connection - R*	-	-	1 1/4"	1 1/4"

Domestic hot water storage tank for heat pump system with 1 heat exchanger

Enamelled - WP/E 800 - 1000 litres

800 – 1000 litres

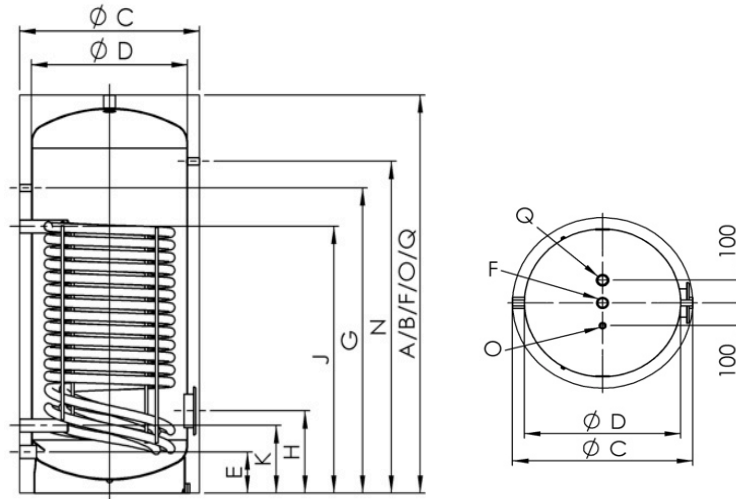


Use	Dimensions	800	1000
A Height	with insulation - mm	1980	2180
	without insulation - mm	1940	2140
C Diameter	with insulation - mm	990	990
	without insulation - mm	790	790
E Cold water	Height - mm	175	175
	Connection - R*	2"	2"
F Hot water	Height - mm	1765	1965
	Connection - R*	2"	2"
G Circulation	Height - mm	1400	1600
	Connection - R*	1"	1"
H Bottom flange	Height - mm	350	350
	Ø - mm	290/220	290/220
I Top flange	Height - mm	1400	1400
	Ø - mm	180/120	180/120
J Supply coil	Height - mm	1195	1195
	Connection - R*	1 ¼"	1 ¼"
K Return coil	Height - mm	275	275
	Connection - R*	1 ¼"	1 ¼"
N Thermometer	Height - mm	1650	1850
	Connection - R*	½"	½"
O Sensor sleeve	Height - mm	1940	2140
	Connection - R*	½"	½"
P Sensor	Height - mm	660	660
	Connection - R*	½"	½"
Q Magnesium anode	Height - mm	1940	2140
	Connection - R*	1 ¼"	1 ¼"
R Magnesium anode	Height - mm	690	690
	Connection - R*	1 ¼"	1 ¼"
S Top connection	Height - mm	1940	2140
	Connection - R*	1 ¼"	1 ¼"

R9

Domestic hot water storage tank for heat pump system with 1 heat exchanger

Stainless steel V4A - WP/C 300 - 2000 litres



The stainless steel V4A hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources (especially for heat pumps). If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank. From 600 litres, it can also be supplemented with two electric heaters for load-dependent switching and reheating.

Design

EiTherm hot water storage tanks are manufactured from high quality stainless steel V4A. The hot water storage tanks are designed, manufactured and certified according to EN 12897:2006.

Anti-corrosion protection

Each hot water storage tank is pickled and cleaned in order to ensure that the greatest possible protection is attained.

Heat exchanger

A welded large-surface heat exchanger. Double wound. Heat exchanger from 1" diameter steel tube, or 1 ¼" diameter from 800 litres ØØ

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.

SVGW Number: 1006-5750

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/ SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat exchange through large heat exchangers with small pressure loss
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Domestic hot water storage tank for heat pump system with 1 heat exchanger

Stainless steel V4A - WP/C 300 - 2000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

New German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 600 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 300 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions

1 x thermometer with thermowell

1 x thermowell 1000 mm

from 800 litres

Part no. T 80/100 C

Part no. T 80/200 C

Part no. 11008/C

Domestic hot water storage tank for heat pump system with 1 heat exchanger

Stainless steel V4A - WP/C 300 - 2000 litres

Type WP/C	Units	300	400	500	600	800	1000	1250	1500	1750	2000
Gross capacity	l	325	426	524	589	830	925	1226	1413	1728	1826
Net capacity	l	295	385	473	538	779	874	1140	1318	1619	1817
dia. with insulation	mm	650	750	750	750	990	990	1100	1200	1300	1300
dia. without insulation	mm	550	650	650	650	790	790	900	1000	1100	1100
Height with insulation	mm	1570	1500	1800	2000	1980	2180	2230	2110	2140	2340
Tilted dimension	mm	1700	1680	1950	2140	1990	2190	2260	2120	2200	2355
Heating operating pressure	bar	6	6	6	6	6	6	6	6	6	6
Water operating pressure	bar	6	6	6	6	6	6	6	6	6	6
Test pressure	bar	12	12	12	12	12	12	12	12	12	12
max. operating temperature	°C	95	95	95	95	95	95	95	95	95	95
Weight	kg	139	171	205	217	269	284	362	390	441	462
Part no.		B300 WP/CN	B400 WP/CN	B500 WP/CN	B600 WP/CF	B800 WP/CF	B1000 WP/CF	B1250 WP/CF	B1500 WP/CF	B1750 WP/CF	B2000 WP/CF
Insulation		50 mm rigid foam polyurethane quick expanded				100 mm rigid foam					
Standby heat losses	kWh/24h	2.01	2.17	2.48	2.85	3.26	3.44	3.60	3.77	4.01	4.38
Weight	kg					35	40	45	50	55	60
Part no.						10505/ HS	10506/ HS	B1250 WP/HS	B1500 WP/HS	B1750 WP/HS	B2000W P/HS

Type WP/C	Units	300	400	500	600	800	1000	1250	1500	1750	2000
Coil	m ²	3.6	5.0	6.1	6.1	6.0	6.0	8.2	9.0	10.3	10.3
Coil capacity	l	23.0	32.6	39.8	39.8	39.2	39.2	68.3	75.4	86.7	86.7
Throughput	m ³ / h	1.0	1.0	1.3	1.3	1.3	1.3	1.8	2.0	2.3	2.3
Pressure loss	mbar	10	10	20	20	20	20	10	20	30	30
Continuous output 10 °C/ 45 °C/ 50 °C	l/h	221	295	368	368	368	368	528	565	638	638
Recommended WP power	kW	9.0	12.0	15.0	15.0	15.0	15.0	21.0	23.0	26.0	26.0
Performance factor	N _L	3	4	6	7	8	9	10	12	14	14
Throughput*	m ³ / h	6.0	8.4	10.0	10.0	10.0	10.0	13.8	15.9	17.0	17.0
Pressure loss*	mbar	150	380	660	660	660	660	400	430	730	730
Continuous output 10 °C/45 °C/80 °C	l/h	1723	2393	2919	2919	2871	2871	3924	4307	4929	4929
max. coil output	kW	70.1	97.4	118.8	118.8	116.9	116.9	159.7	175.3	200.6	200.6
Performance factor*	N _L	10	20	30	35	45	55	80	100	100	100

* for 80 °C supply

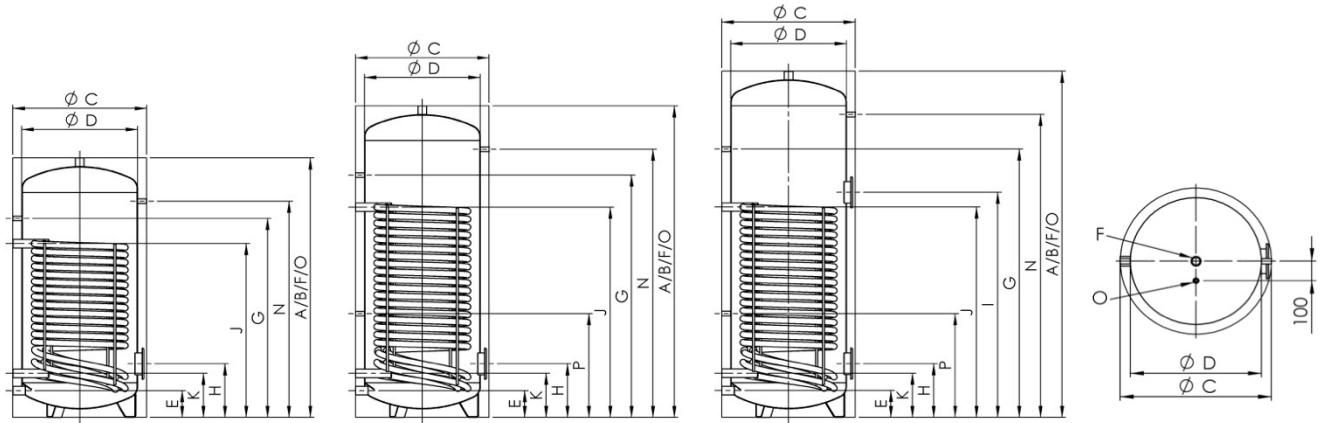
Domestic hot water storage tank for heat pump system with 1 heat exchanger

Stainless steel V4A - WP/C 300 - 600 litres

300 – 400 litres

500 litres

600 litres

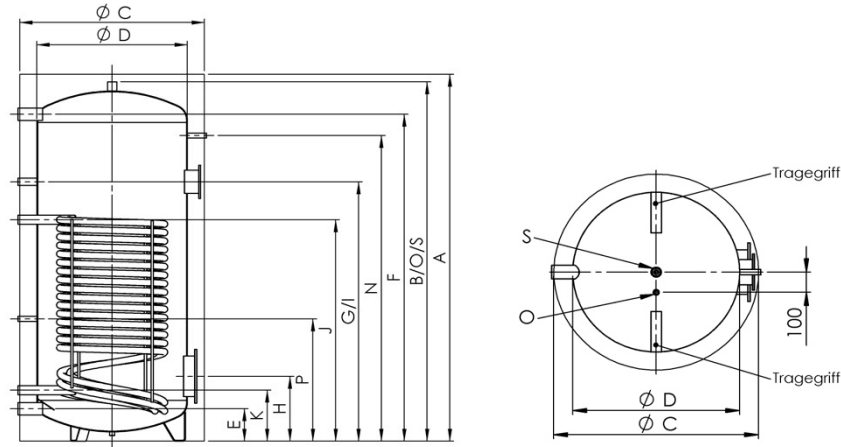


	Use	Dimensions	300	400	500	600
A	Height	with insulation - mm	1570	1500	1800	2000
B		without insulation - mm	-	-	-	-
C	Diameter	with insulation - mm	650	750	750	750
D		without insulation - mm	550	650	650	650
E	Cold water	Height - mm	140	155	155	155
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
F	Hot water	Height - mm	1570	1500	1800	2000
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
G	Circulation	Height - mm	1200	1150	1400	1550
		Connection - R*	½"	½"	½"	½"
H	Bottom flange	Height - mm	295	310	310	310
		Ø - mm	180/120	180/120	180/120	180/120
I	Top flange	Height - mm	-	-	-	1300
		Ø - mm	-	-	-	180/120
J	Supply coil	Height - mm	920	1005	1185	1185
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
K	Return coil	Height - mm	240	255	255	255
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
N	Thermometer	Height - mm	1350	1250	1550	1750
		Connection - R*	½"	½"	½"	½"
O	Sensor sleeve	Height - mm	1570	1500	1800	2000
		Connection - R*	½"	½"	½"	½"
P	Sensor	Height - mm	-	-	600	600
		Connection - R*	-	-	½"	½"

Domestic hot water storage tank for heat pump system with 1 heat exchanger

Stainless steel V4A - WP/C 800 - 2000 litres

800 – 2000 litres

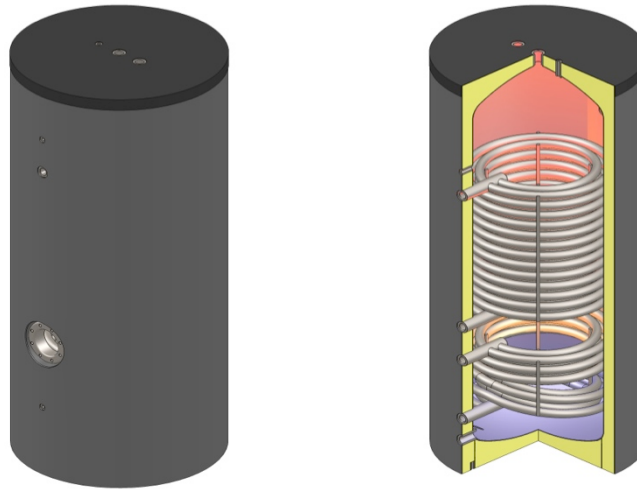


	Use	Dimensions	800	1000	1250	1500	1750	2000
A	Height	with insulation - mm	1980	2180	2230	2110	2140	2340
B		without insulation - mm	1940	2140	2180	2070	2100	2300
C	Diameter	with insulation - mm	990	990	1100	1200	1300	1300
D		without insulation - mm	790	790	900	1000	1100	1100
E	Cold water	Height - mm	175	175	200	220	235	235
		Connection - R*	2"	2"	2"	2"	2"	2"
F	Hot water	Height - mm	1765	1965	1990	1730	1750	1930
		Connection - R*	2"	2"	2"	2"	2"	2"
G	Circulation	Height - mm	1400	1600	1600	1450	1500	1650
		Connection - R*	1"	1"	1"	1"	1"	1"
H	Bottom flange	Height - mm	350	350	400	470	480	480
		Ø - mm	290/220	290/220	290/220	290/220	290/220	290/220
I	Top flange	Height - mm	1400	1400	1400	1400	1420	1500
		Ø - mm	180/120	180/120	180/120	180/120	180/120	180/120
J	Supply coil	Height - mm	1195	1195	1320	1310	1310	1310
		Connection - R*	1 ¼"	1 ¼"	1 ½"	1 ½"	1 ½"	1 ½"
K	Return coil	Height - mm	275	275	320	360	360	360
		Connection - R*	1 ¼"	1 ¼"	1 ½"	1 ½"	1 ½"	1 ½"
N	Thermometer	Height - mm	1650	1850	1900	1750	1750	1950
		Connection - R*	½"	½"	½"	½"	½"	½"
O	Sensor sleeve	Height - mm	1940	2140	2190	2070	2100	2300
		Connection - R*	½"	½"	½"	½"	½"	½"
P	Sensor	Height - mm	660	660	680	590	600	600
		Connection - R*	½"	½"	½"	½"	½"	½"
S	Top connection	Height - mm	1940	2140	2190	2070	2100	2100
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"

R10

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Enamelled - WPS/E 500 - 1000 litres



The enamelled hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources (especially for systems with heat pumps and solar systems). If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank. From 600 litres, it can also be supplemented with two electric heaters for load-dependent switching and reheating.

Design

The hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Hot water storage tanks with a volume of 800 litres or greater are externally coated with a corrosion-protection paint.

Heat exchanger

Two welded large-surface heat exchangers. Externally enamelled. Double wound. Heat exchanger from 1" diameter steel tube, or 1 1/4" diameter from 800 litres

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.
SVGW Number: 1006-5752

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/ SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat exchange through two large heat exchangers with small pressure loss
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Enamelled - WPS/E 500 - 1000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

New German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 600 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 500 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions			
1 x thermometer with thermowell			Part no. T 80/100
	from 800 litres		Part no. T 80/200
1 x thermowell	1000 mm		Part no. 11008
Magnesium protection anode			
500 – 600 litres	1 x	520 mm	Part no. 10007 520
	1 x	1000 mm	Part no. 10007 1000
800 – 1000 litres	1 x	750 mm	Part no. 10007 750
	1 x	1000 mm	Part no. 10007 1000
3 x set screws	800 – 1000 litres		

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Enamelled - WPS/E 500 - 1000 litres

	Units	500	600	800	1000
Gross capacity	l	524	589	830	925
Net capacity	l	478	527	771	847
dia. with insulation	mm	750	750	970	970
dia. without insulation	mm	650	650	790	790
Height with insulation	mm	1800	2000	1980	2180
Tilted dimension	mm	1950	2140	1990	2190
Heating operating pressure	bar	6	6	6	6
Water operating pressure	bar	6	6	6	6
Test pressure	bar	12	12	12	12
max. operating temperature	°C	95	95	95	95
Weight	kg	216	261	312	368
Part no.		B500WPS/EN	B600WPS/EF	B800WPS/EF	B1000WPS/EF
Insulation		50 mm rigid foam polyurethane quick expanded		100 mm rigid foam	
Standby heat losses	kWh/24h	2.48	2.85	3.26	3.44
Weight	kg			35	40
Part no.				B800WPS/HS	B1000WPS/HS

Type WPS/E	Units	500	600	800	1000
Bottom coil	m ²	1.6	2.0	2.2	3.5
Coil capacity	l	10.4	13.1	14.4	22.3
Throughput	m ³ / h	2.0	2.5	2.8	4.4
Pressure loss	mbar	40	60	70	100
Continuous output 10 °C/45 °C/80 °C	l/h	579	724	796	1266
max. coil output	kW	23.6	29.5	32.4	51.5
Performance factor	N _L	9.0	12.0	16.0	23.0
Top coil WP	m ²	4.2	5.7	5.2	6.0
Coil capacity	l	26.6	37.3	34.0	39.2
Throughput	m ³ / h	3.0	4.0	3.8	4.0
Pressure loss	mbar	50	110	90	120
Continuous output 10 °C/ 45 °C/ 50 °C	l/h	270	344	320	370
Recommended WP power	kW	11.0	14.0	13.0	15.0
Performance factor	N _L	3.0	4.0	5.0	6.0
Throughput*	m ³ / h	5.3	7.2	6.5	7.6
Pressure loss*	mbar	140	320	240	380
Continuous output 10 °C/45 °C/80 °C	l/h	1520	2062	1881	2171
max. coil output	kW	61.8	83.9	76.6	88.4
Performance factor	N _L	10.0	15.0	17.0	21.0

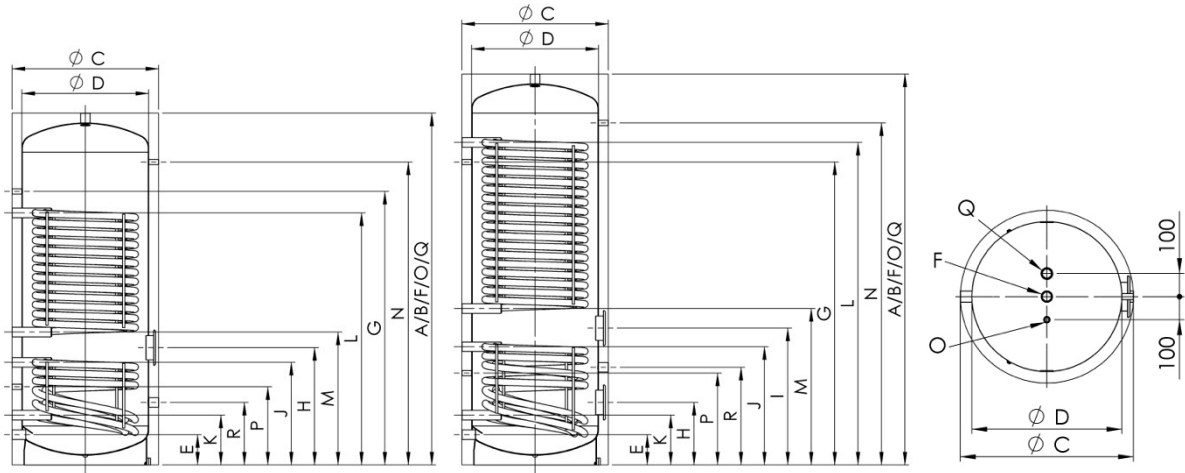
* for 80 °C supply

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Enamelled - WPS/E 500 - 600 litres

500 litres

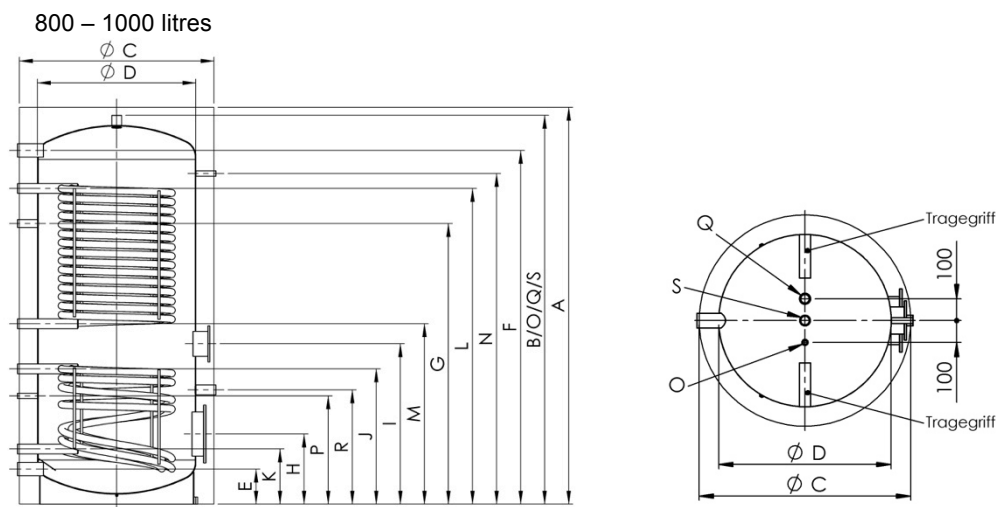
600 litres



	Use	Dimensions	500	600
A	Height	with insulation - mm	1800	2000
B		without insulation - mm	-	-
C	Diameter	with insulation - mm	750	750
D		without insulation - mm	650	650
E	Cold water	Height - mm	155	155
		Connection - R*	1 1/4"	1 1/4"
F	Hot water	Height - mm	1800	2000
		Connection - R*	1 1/4"	1 1/4"
G	Circulation	Height - mm	1400	1530
		Connection - R*	1/2"	1/2"
H	Bottom flange	Height - mm	-	320
		Ø - mm	-	180/120
I	Top flange	Height - mm	610	710
		Ø - mm	180/120	180/120
J	Supply bottom coil	Height - mm	545	625
		Connection - R*	1 1/4"	1 1/4"
K	Return bottom coil	Height - mm	255	255
		Connection - R*	1 1/4"	1 1/4"
L	Supply top coil	Height - mm	1290	1650
		Connection - R*	1 1/4"	1 1/4"
M	Return top coil	Height - mm	680	800
		Connection - R*	1 1/4"	1 1/4"
N	Thermometer	Height - mm	1550	1750
		Connection - R*	1/2"	1/2"
O	Sensor sleeve	Height - mm	1800	2000
		Connection - R*	1/2"	1/2"
P	Sensor	Height - mm	400	470
		Connection - R*	1/2"	1/2"
Q	Magnesium anode	Height - mm	1800	2000
		Connection - R*	1 1/4"	1 1/4"
R	Magnesium anode	Height - mm	320	500
		Connection - R*	1 1/4"	1 1/4"

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Enamelled - WPS/E 800 - 1000 litres

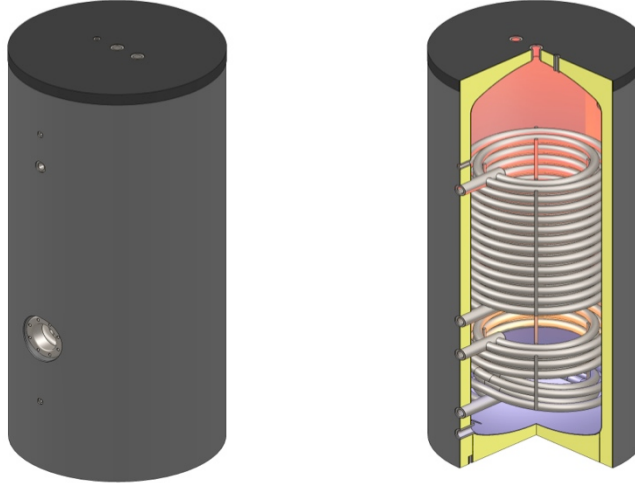


	Use	Dimensions	800	1000
A	Height	with insulation - mm	1980	2180
B		without insulation - mm	1940	2140
C	Diameter	with insulation - mm	990	990
D		without insulation - mm	790	790
E	Cold water	Height - mm	175	175
		Connection - R*	2"	2"
F	Hot water	Height - mm	1765	1965
		Connection - R*	2"	2"
G	Circulation	Height - mm	1400	1600
		Connection - R*	1"	1"
H	Bottom flange	Height - mm	350	350
		Ø - mm	290/220	290/220
I	Top flange	Height - mm	800	930
		Ø - mm	180/120	180/120
J	Supply bottom coil	Height - mm	675	855
		Connection - R*	1 ¼"	1 ¼"
K	Return bottom coil	Height - mm	275	275
		Connection - R*	1 ¼"	1 ¼"
L	Supply top coil	Height - mm	1620	1855
		Connection - R*	1 ¼"	1 ¼"
M	Return top coil	Height - mm	900	1000
		Connection - R*	1 ¼"	1 ¼"
N	Thermometer	Height - mm	1650	1850
		Connection - R*	½"	½"
O	Sensor sleeve	Height - mm	1940	2140
		Connection - R*	½"	½"
P	Sensor	Height - mm	540	580
		Connection - R*	½"	½"
Q	Magnesium anode	Height - mm	1940	2140
		Connection - R*	1 ¼"	1 ¼"
R	Magnesium anode	Height - mm	570	610
		Connection - R*	1 ¼"	1 ¼"
S	Top connection	Height - mm	1940	2140
		Connection - R*	1 ¼"	1 ¼"

R11

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Stainless steel V4A - WPS/C 500 - 2000 litres



The stainless steel V4A hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources (especially for systems with heat pumps and solar systems). If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank. From 600 litres, it can also be supplemented with two electric heaters for load-dependent switching and reheating.

Design

EiTherm hot water storage tanks are manufactured from high quality stainless steel V4A. The hot water storage tanks are designed, manufactured and certified according to EN 12897:2006.

Anti-corrosion protection

Each hot water storage tank is pickled and cleaned in order to ensure that the greatest possible protection is attained.

Heat exchanger

Two welded large-surface heat exchangers. Double wound. Heat exchanger from 1" diameter stainless steel tube, or 1 1/4" diameter from 800 litres

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.
SVGW Number: 1006-5750

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat exchange through two large heat exchangers with small pressure loss
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Stainless steel V4A - WPS/C 500 - 2000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard up to 600 litres - Quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Standard from 800 litres - insulation to be ordered separately

New German fire-resistance rating B2. EN12897/SVGW tested in accordance with the Swiss Energy Regulations.

100 mm of insulation in two layers (80 mm rigid foam shell and 20 mm non-woven material). Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

At the customer's request, we also supply special insulation for the hot water storage tanks. 100, 130 or 160 mm non-woven material insulation, having fire-resistance rating B2, with jacket in silver (other colours and fire-resistance ratings available on request).

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks:

From 600 litres, two flanges

From 800 litres, an intermediate flange (diameter 290/180 or 290/240) is required underneath.

Please specify the desired power (kW) when ordering. Optional electric heaters are available pre-assembled on request, for hot water storage tanks from 500 to 600 litres.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions

1 x thermometer with thermowell

1 x thermowell 1000 mm

from 800 litres

Part no. T 80/100 C

Part no. T 80/200 C

Part no. 11008/C

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Stainless steel V4A - WPS/C 500 - 2000 litres

Type WPS/C	Units	500	600	800	1000	1250	1500	1750	2000
Gross capacity	l	524	589	830	925	1226	1413	1728	1926
Net capacity	l	475	527	771	847	1110	1300	1606	1783
dia. with insulation	mm	750	750	990	990	1100	1200	1300	1300
dia. without insulation	mm	650	650	790	790	900	1000	1100	1100
Height with insulation	mm	1800	2000	1980	2180	2230	2110	2140	2340
Tilted dimension	mm	1950	2140	1990	2190	2260	2120	2200	2355
Heating operating pressure	bar	6	6	6	6	6	6	6	6
Water operating pressure	bar	6	6	6	6	6	6	6	6
max. operating temperature	°C	95	95	95	95	95	95	95	95
Weight	kg	204	241	288	340	415	423	466	521
Part no.		B500 WPS/CN	B600 WPS/CF	B800 WPS/CF	B1000 WPS/CF	B1250 WPS/CF	B1500 WPS/CF	B1750 WPS/CF	B2000 WPS/CF
Insulation		50 mm rigid foam polyurethane quick expanded		100 mm rigid foam					
Standby heat losses	kWh/24h	2.48	2.85	3.26	3.44	3.60	3.77	4.01	4.38
Weight	kg			35	40	45	50	55	60
Part no.				B800 WPS/HS	B1000 WPS/HS	B1250 WPS/HS	B1500 WPS/HS	B1750 WPS/HS	B2000 WPS/HS

Type WPS/C	Units	500	600	800	1000	1250	1500	1750	2000
Bottom coil	m ²	1.9	2.0	2.2	3.3	3.4	3.4	3.9	5.2
Coil capacity	l	12.3	13.1	14.4	21.0	28.2	28.2	32.5	43.4
Throughput	m ³ / h	3.2	3.4	3.7	5.5	5.7	5.7	6.5	8.7
Pressure loss	mbar	30	40	50	120	40	40	50	90
Continuous output 10 °C/45 °C/80 °C	l/h	909	957	1053	1579	1627	1627	1866	2488
max. coil output	kW	37.0	39.0	42.8	64.3	66.2	66.2	76.0	101.3
Performance factor	N _L	12	14	18	29	35	38	40	55
Top coil WP	m ²	4.2	5.7	5.2	6.0	7.7	7.3	7.8	8.4
Coil capacity	l	26.6	37.3	34.0	39.2	64.2	61.3	65.0	70.3
Throughput	m ³ / h	1.0	1.3	1.1	1.3	1.7	1.6	1.7	1.8
Pressure loss	mbar	10	30	20	40	20	20	20	20
Continuous output 10 °C/ 45 °C/ 50 °C	l/h	270	368	319	368	491	442	491	516
Recommended WP power	kW	11.0	15.0	13.0	15.0	20.0	18.0	20.0	21.0
Performance factor	N _L	3	4	5	6	8	9	10	10
Throughput*	m ³ / h	7.0	9.5	8.7	10.0	12.9	12.2	13.0	14.0
Pressure loss*	mbar	220	550	400	640	330	230	310	330
Continuous output 10 °C/45 °C/80 °C	l/h	2010	2728	2488	2871	3685	3493	3733	4020
max. coil output*	kW	81.8	111.0	101.3	116.9	150.0	142.2	151.9	163.6
Performance factor*	N _L	14	20	22	30	45	50	65	75

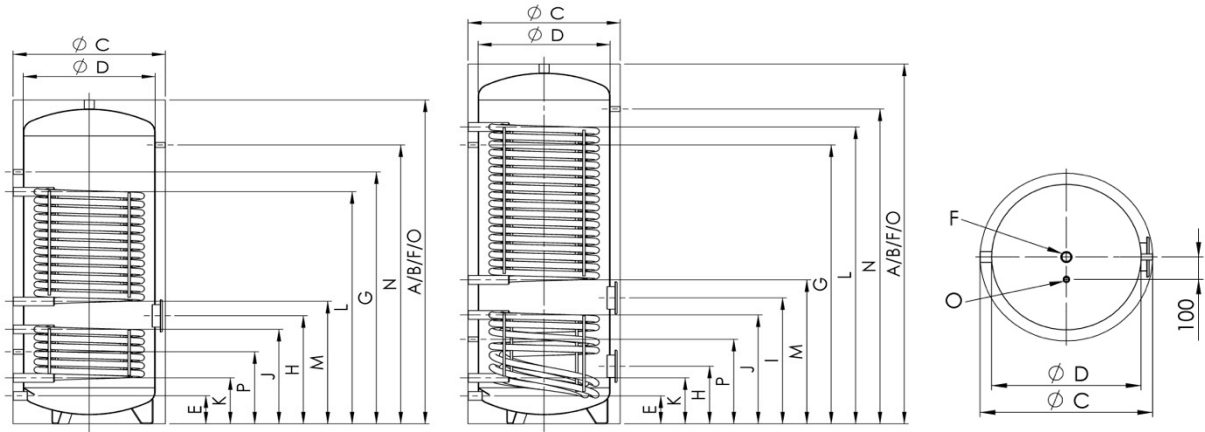
* for 80 °C supply

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Stainless steel V4A - WPS/C 500 - 600 litres

500 litres

600 litres

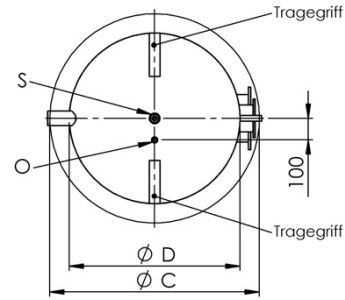
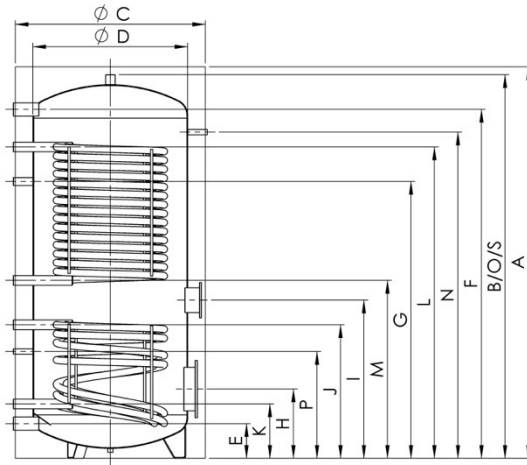


	Use	Dimensions	500	600
A	Height	with insulation - mm	1800	2000
B		without insulation - mm	-	-
C	Diameter	with insulation - mm	750	750
D		without insulation - mm	650	650
E	Cold water	Height - mm	155	155
		Connection - R*	1 ¼"	1 ¼"
F	Hot water	Height - mm	1800	2000
		Connection - R*	1 ¼"	1 ¼"
G	Circulation	Height - mm	1400	1530
		Connection - R*	½"	½"
H	Bottom flange	Height - mm	-	320
		Ø - mm	-	180/120
I	Top flange	Height - mm	610	710
		Ø - mm	180/120	180/120
J	Supply bottom coil	Height - mm	545	625
		Connection - R*	1 ¼"	1 ¼"
K	Return bottom coil	Height - mm	255	255
		Connection - R*	1 ¼"	1 ¼"
L	Supply top coil	Height - mm	1290	1650
		Connection - R*	1 ¼"	1 ¼"
M	Return top coil	Height - mm	680	800
		Connection - R*	1 ¼"	1 ¼"
N	Thermometer	Height - mm	1550	1750
		Connection - R*	½"	½"
O	Sensor sleeve	Height - mm	1800	2000
		Connection - R*	½"	½"
P	Sensor	Height - mm	400	470
		Connection - R*	½"	½"

Domestic hot water storage tank for heat pump system with 2 heat exchangers

Stainless steel V4A - WPS/C 800 - 2000 litres

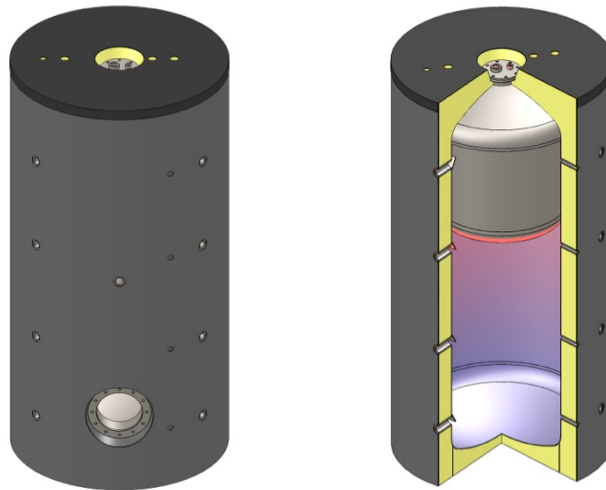
800 – 2000 litres



Use	Dimensions	800	1000	1250	1500	1750	2000	
A	Height	with insulation - mm	1980	2180	2230	2110	2140	2340
		without insulation - mm	1940	2140	2190	2070	2100	2300
C	Diameter	with insulation - mm	990	990	1100	1200	1300	1300
		without insulation - mm	790	790	900	1000	1100	1100
E	Cold water	Height - mm	175	175	200	220	235	235
		Connection - R*	2"	2"	2"	2"	2"	2"
F	Hot water	Height - mm	1765	1965	1990	1730	1730	1930
		Connection - R*	2"	2"	2"	2"	2"	2"
G	Circulation	Height - mm	1400	1600	1600	1450	1400	1650
		Connection - R*	1"	1"	1"	1"	1"	1"
H	Bottom flange	Height - mm	350	350	400	470	480	480
		Ø - mm	290/220	290/220	290/220	290/220	290/220	290/220
I	Top flange	Height - mm	800	930	900	850	870	1000
		Ø - mm	180/120	180/120	180/120	180/120	180/120	180/120
J	Supply bottom coil	Height - mm	675	855	790	780	780	900
		Connection - R*	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
K	Return bottom coil	Height - mm	275	275	320	360	360	360
		Connection - R*	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
L	Supply top coil	Height - mm	1620	1855	1870	1600	1590	1790
		Connection - R*	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
M	Return top coil	Height - mm	900	1000	1020	910	940	1090
		Connection - R*	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
N	Thermometer	Height - mm	1650	1850	1900	1750	1750	1950
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
O	Sensor sleeve	Height - mm	1940	2140	2190	2070	2100	2300
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
P	Sensor	Height - mm	540	580	660	590	600	600
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
S	Top connection	Height - mm	1940	2140	2190	2070	2100	2300
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"

R12

Combi hot water storage tanks Enamelled - PBNF/E 600 - 1500 litres



The combi hot water storage tank with 150 to 230 litre domestic hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources. If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank.

Design

The combi hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The domestic hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Buffer hot water storage tanks are externally coated with a corrosion-protection paint.

Heat exchanger

The surface of the domestic hot water storage tank acts as a heat exchanger.

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.

SVGW test report number: 1210-6091

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Combi hot water storage tanks Enamelled - PBNF/E 600 - 1500 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard - insulation to be ordered separately

New German fire-resistance rating B2. 100 mm non-woven material insulation. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

130 or 160 mm insulation in non-woven material fire-resistance rating B2 with silver jacket.

Other colours and other fire-resistance ratings on request

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks. An intermediate flange (Ø290/180 or Ø290/240) is required (Accessories).

Please specify the desired power (kW) when ordering.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

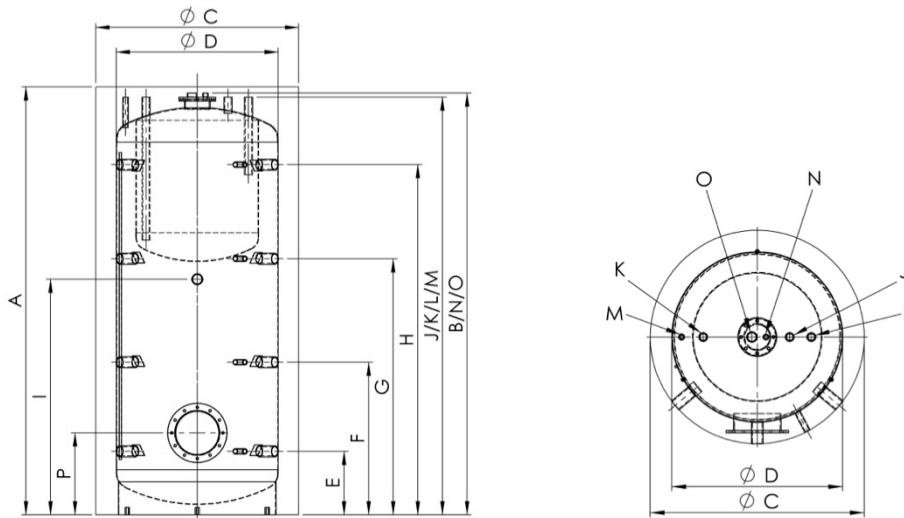
1 x operating instructions		
1 x thermometer with thermowell		Part no. T 80/100
1 x thermowell	500 mm	Part no. 11007
1 x Magnesium protection anode	520 mm	Part no. 10007 520

Combi hot water storage tanks Enamelled - PBNF/E 600 - 1500 litres

Type PBNF/E	Units	600/150	800/200	1000/200	1500/230
Hot water capacity	l	406	510	679	1249
Service water capacity	l	150	204	204	247
dia. with insulation	mm	900	990	990	1200
dia. without insulation	mm	700	790	790	1000
Height with insulation	mm	1700	1740	2090	2200
Tilted dimension	mm	1780	1850	2175	2315
Boiler operating pressure	bar	6	6	6	6
Buffer tank operating pressure	bar	3	3	3	3
Buffer tank test pressure	bar	4.5	4.5	4.5	4.5
max. operating temperature	°C	95	95	95	95
Weight	kg	136	159	173	244
Part no.		PBNF/E 600	PBNF/E 800	PBNF/E 1000	PBNF/E 1500
Insulation		100 mm non-woven material			
Standby heat losses	kWh/24h				
Weight	kg	19	24	32	39
Part no.		PRVIS 600 S 100	PRVIS 800 S 100	PRVIS 1000 S 10	PRVIS 1500 S 10

Type PBNF/E	Units	600/150		800/200		1000/200		1500/230	
Buffer tank temperature	°C	55	80	55	80	55	80	55	80
Hot water continuous output 10 °C/ 45 °C	l/h	138	354	172	443	172	443	184	473
max. hot water continuous output	kW	5.6	14.4	7.0	18.0	7.0	18.0	7.5	19.2

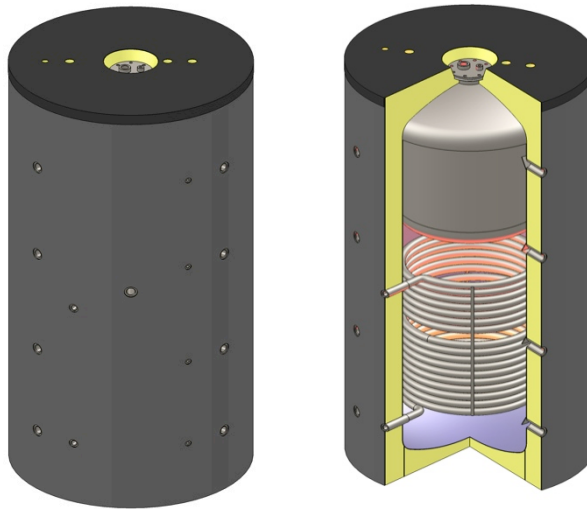
Combi hot water storage tanks Enamelled - PBNF/E 600 - 1500 litres



	Use	Dimensions	600/150	800/200	1000/200	1500/230
A	Height	with insulation - mm	1700	1740	2090	2200
B		without insulation - mm	1670	1710	2060	2170
C	Diameter	with insulation - mm	900	990	990	1200
D		without insulation - mm	700	790	790	1000
E	Connection 1	Height - mm	230	260	310	380
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"
		Sensor - R*	½"	½"	½"	½"
F	Connection 2	Height - mm	610	630	745	825
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"
		Sensor - R*	½"	½"	½"	½"
G	Connection 3	Height - mm	990	1030	1250	1350
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"
		Sensor - R*	½"	½"	½"	½"
H	Connection 4	Height - mm	1380	1430	1710	1760
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"
		Sensor - R*	½"	½"	½"	½"
I	Connection middle/ ESH	Height - mm	850	800	1150	1250
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"
J	Hot water	Height - mm	1650	1690	2040	2150
		Connection - R*	1"	1"	1"	1"
K	Cold water	Height - mm	1650	1690	2040	2150
		Connection - R*	1"	1"	1"	1"
L	Circulation	Height - mm	1650	1690	2040	2150
		Connection - R*	1"	1"	1"	1"
M	Vent	Height - mm	1650	1690	2040	2150
		Connection - R*	½"	½"	½"	½"
N	Service water sensor	Height - mm	1670	1710	2060	2170
		Connection - R*	½"	½"	½"	½"
O	Magnesium anode	Height - mm	1670	1710	2060	2170
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"
P	Flange	Height - mm	370	400	400	450
		Ø - mm	290/220	290/220	290/220	290/220

R12

Combi hot water storage tank with 1 heat exchanger Enamelled - PBNR/E 600 - 1500 litres



The combi hot water storage tank with 150 to 230 litre domestic hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources. The combi hot water storage tank has an additional heat exchanger (possibility of connection to a solar system).

Design

The combi hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The domestic hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Buffer hot water storage tanks are externally coated with a corrosion-protection paint.

Heat exchanger

The surface of the domestic hot water storage tank acts as a heat exchanger. A welded large-surface heat exchanger. Heat exchanger from 1" diameter steel tube

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.
SVGW test report number: 1210-6091

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/ SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Combi hot water storage tank with 1 heat exchanger Enamelled - PBNR/E 600 - 1500 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard - insulation to be ordered separately

NEW German fire-resistance rating B2. 100 mm non-woven material insulation. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

130 or 160 mm insulation in non-woven material fire-resistance rating B2 with silver jacket.

Other colours and other fire-resistance ratings on request

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

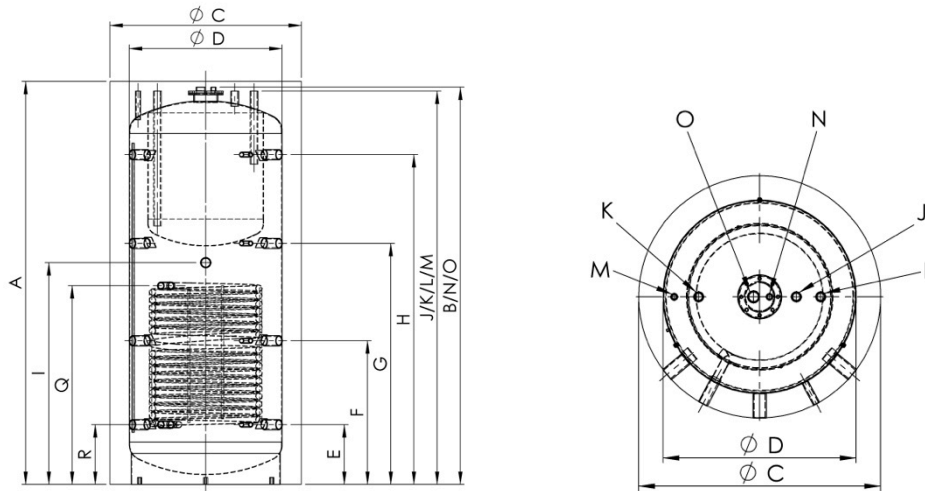
1 x operating instructions		
1 x thermometer with thermowell		Part no. T 80/100
1 x thermowell	500 mm	Part no. 11007
1 x Magnesium protection anode	520 mm	Part no. 10007 520

Combi hot water storage tank with 1 heat exchanger Enamelled - PBNR/E 600 - 1500 litres

Type PBNR/E	Units	600/150	800/200	1000/200	1500/230
Hot water capacity	l	391	493	653	1219
Service water capacity	l	150	204	204	247
dia. with insulation	mm	900	990	990	1200
dia. without insulation	mm	700	790	790	1000
Height with insulation	mm	1700	1740	2090	2200
Tilted dimension	mm	1780	1850	2175	2315
Boiler operating pressure	bar	6	6	6	6
Buffer tank operating pressure	bar	3	3	3	3
Buffer tank test pressure	bar	4.5	4.5	4.5	4.5
max. operating temperature	°C	95	95	95	95
Weight	kg	161	187	218	297
Part no.		PBNR/E 600	PBNR/E 800	PBNR/E 1000	PBNR/E 1500
Insulation		100 mm non-woven material			
Standby heat losses	kWh/24h				
Weight	kg	19	24	32	39
Part no.		PRVIS 600 S 100	PRVIS 800 S 100	PRVIS 1000 S 10	PRVIS 1500 S 10

Type PBNR/E	Units	600/150		800/200		1000/200		1500/230	
Coil	m ²	1.8		2.0		3.1		3.6	
Coil capacity	l	11.8		13.3		20.5		23.3	
Buffer tank temperature	°C	55	80	55	80	55	80	55	80
Hot water continuous output 10 °C/ 45 °C	l/h	138	354	172	443	172	443	184	473
max. hot water continuous output	kW	5.6	14.4	7.0	18.0	7.0	18.0	7.5	19.2

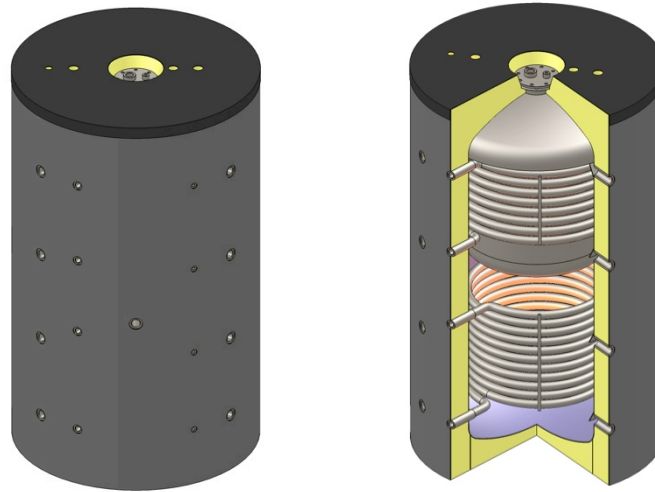
Combi hot water storage tank with 1 heat exchanger Enamelled - PBNR/E 600 - 1500 litres



	Use	Dimensions	600/150	800/200	1000/200	1500/230
A	Height	with insulation - mm	1700	1740	2090	2200
B		without insulation - mm	1670	1710	2060	2170
C	Diameter	with insulation - mm	900	990	990	1200
D		without insulation - mm	700	790	790	1000
E	Connection 1	Height - mm	230	260	310	380
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
		Sensor - R*	1/2"	1/2"	1/2"	1/2"
F	Connection 2	Height - mm	610	630	745	825
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
		Sensor - R*	1/2"	1/2"	1/2"	1/2"
G	Connection 3	Height - mm	990	1030	1250	1350
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
		Sensor - R*	1/2"	1/2"	1/2"	1/2"
H	Connection 4	Height - mm	1380	1430	1710	1760
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
		Sensor - R*	1/2"	1/2"	1/2"	1/2"
I	Connection middle/ ESH	Height - mm	850	800	1150	1250
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
J	Hot water	Height - mm	1650	1690	2040	2150
		Connection - R*	1"	1"	1"	1"
K	Cold water	Height - mm	1650	1690	2040	2150
		Connection - R*	1"	1"	1"	1"
L	Circulation	Height - mm	1650	1690	2040	2150
		Connection - R*	1"	1"	1"	1"
M	Vent	Height - mm	1650	1690	2040	2150
		Connection - R*	1/2"	1/2"	1/2"	1/2"
N	Service water sensor	Height - mm	1670	1710	2060	2170
		Connection - R*	1/2"	1/2"	1/2"	1/2"
O	Magnesium anode	Height - mm	1670	1710	2060	2170
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Q	Supply coil	Height - mm	790	730	1030	1180
		Connection - R*	1"	1"	1"	1"
R	Return coil	Height - mm	250	260	310	380
		Connection - R*	1"	1"	1"	1"

R12

Combi hot water storage tank with 2 heat exchangers Enamelled - PBNRR/E 600 - 1500 litres



The combi hot water storage tank with 150 to 230 litre domestic hot water storage tank can be used as an auxiliary storage tank with conventional and alternative energy sources. The combi hot water storage tank has two additional heat exchangers (possibility of connection to a solar system).

Design

The combi hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The domestic hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Buffer hot water storage tanks are externally coated with a corrosion-protection paint.

Heat exchanger

The surface of the domestic hot water storage tank acts as a heat exchanger. Two welded large-surface heat exchangers. Heat exchanger from 1" diameter steel tube

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.
SVGW test report number: 1210-6091

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/ SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Combi hot water storage tank with 2 heat exchangers Enamelled - PBNRR/E 600 - 1500 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard - insulation to be ordered separately

NEW German fire-resistance rating B2. 100 mm non-woven material insulation. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

130 or 160 mm insulation in non-woven material fire-resistance rating B2 with silver jacket.

Other colours and other fire-resistance ratings on request

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

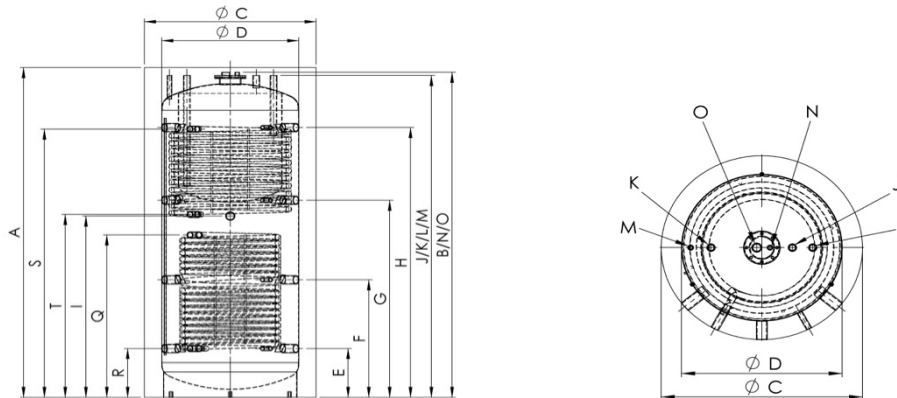
1 x operating instructions		
1 x thermometer with thermowell		Part no. T 80/100
1 x thermowell	500 mm	Part no. 11007
1 x Magnesium protection anode	520 mm	Part no. 10007 520

Combi hot water storage tank with 2 heat exchangers Enamelled - PBNRR/E 600 - 1500 litres

Type PBNRR/E	Units	600/150	800/200	1000/200	1500/230
Hot water capacity	l	381	478	632	1200
Service water capacity	l	150	204	204	247
dia. with insulation	mm	900	990	990	1200
dia. without insulation	mm	700	790	790	1000
Height with insulation	mm	1700	1740	2090	2200
Tilted dimension	mm	1780	1850	2175	2315
Boiler operating pressure	bar	6	6	6	6
Buffer tank operating pressure	bar	3	3	3	3
Buffer tank test pressure	bar	4.5	4.5	4.5	4.5
max. operating temperature	°C	95	95	95	95
Weight	kg	184	218	258	332
Part no.		PBNRR/E 600	PBNRR/E 800	PBNRR/E 1000	PBNRR/E 1500
Insulation		100 mm non-woven material			
Standby heat losses	kWh/24h				
Weight	kg	19	24	32	39
Part no.		PRVIS 600 S 100	PRVIS 800 S 100	PRVIS 1000 S 10	PRVIS 1500 S 10

Type PBNRR/E	Units	600/150		800/200		1000/200		1500/230	
Bottom coil	m ²	1.8		2.0		3.1		3.6	
Coil capacity	l	11.8		13.3		20.5		23.3	
Top coil	m ²	1.2		1.8		2.5		2.3	
Coil capacity	l	8.1		11.8		16.2		15.1	
Buffer tank temperature	°C	55	80	55	80	55	80	55	80
Hot water continuous output 10 °C/ 45 °C	l/h	138	354	172	443	172	443	184	473
max. hot water continuous output	kW	5.6	14.4	7.0	18.0	7.0	18.0	7.5	19.2

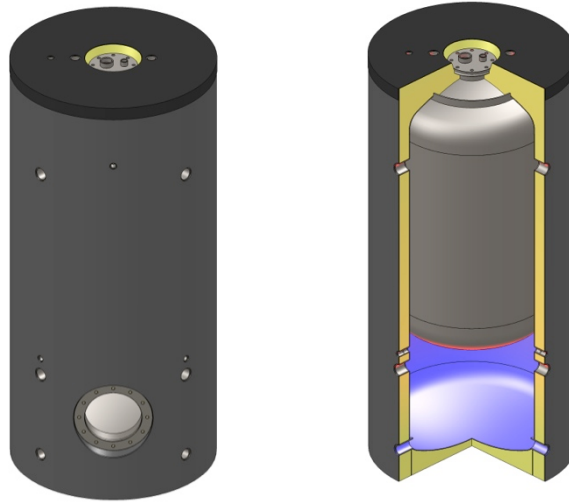
Combi hot water storage tank with 2 heat exchangers Enamelled - PBNRR/E 600 - 1500 litres



Use		Dimensions	600/150	800/200	1000/200	1500/230
A	Height	with insulation - mm	1700	1740	2090	2200
B		without insulation - mm	1670	1710	2060	2170
C	Diameter	with insulation - mm	900	990	990	1200
D		without insulation - mm	700	790	790	1000
E	Connection 1	Height - mm	230	260	310	380
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
		Sensor - R*	1/2"	1/2"	1/2"	1/2"
F	Connection 2	Height - mm	610	630	745	825
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
		Sensor - R*	1/2"	1/2"	1/2"	1/2"
G	Connection 3	Height - mm	990	1030	1250	1350
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
		Sensor - R*	1/2"	1/2"	1/2"	1/2"
H	Connection 4	Height - mm	1380	1430	1710	1760
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
		Sensor - R*	1/2"	1/2"	1/2"	1/2"
I	Connection middle/ESH	Height - mm	850	800	1150	1250
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"
J	Hot water	Height - mm	1650	1690	2040	2150
		Connection - R*	1"	1"	1"	1"
K	Cold water	Height - mm	1650	1690	2040	2150
		Connection - R*	1"	1"	1"	1"
L	Circulation	Height - mm	1650	1690	2040	2150
		Connection - R*	1"	1"	1"	1"
M	Vent	Height - mm	1650	1690	2040	2150
		Connection - R*	1/2"	1/2"	1/2"	1/2"
N	Service water sensor	Height - mm	1670	1710	2060	2170
		Connection - R*	1/2"	1/2"	1/2"	1/2"
O	Magnesium anode	Height - mm	1670	1710	2060	2170
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Q	Supply bottom coil	Height - mm	790	730	1030	1180
		Connection - R*	1"	1"	1"	1"
R	Return bottom coil	Height - mm	250	260	310	380
		Connection - R*	1"	1"	1"	1"
S	Supply top coil	Height - mm	1275	1430	1700	1760
		Connection - R*	1"	1"	1"	1"
T	Return top coil	Height - mm	920	1070	1160	1350
		Connection - R*	1"	1"	1"	1"

R13

Double-jacketed hot water storage tank BDF/E 300/200 litres



The buffer tanks with integrated domestic hot water storage tank can be used as auxiliary storage tanks with conventional and alternative energy sources. If supplemented with an electric heater (Accessories), the hot water storage tank can also be used as an electric hot water storage tank or as a combi hot water storage tank.

Design

The hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The domestic hot water storage tanks (inside) have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion.

Heat exchanger

The outer wall of the internal domestic hot water storage tank acts as a heat exchanger.

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

SVGW test report number: 1303-6134

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through relevant tests (SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Double-jacketed hot water storage tank BDF/E 300/200 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

Standard - quick-expanded rigid polyurethane foam

New German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks. Please specify the desired power (kW) when ordering.

An intermediate flange (diameter 290/180 or 290/240) is generally required.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

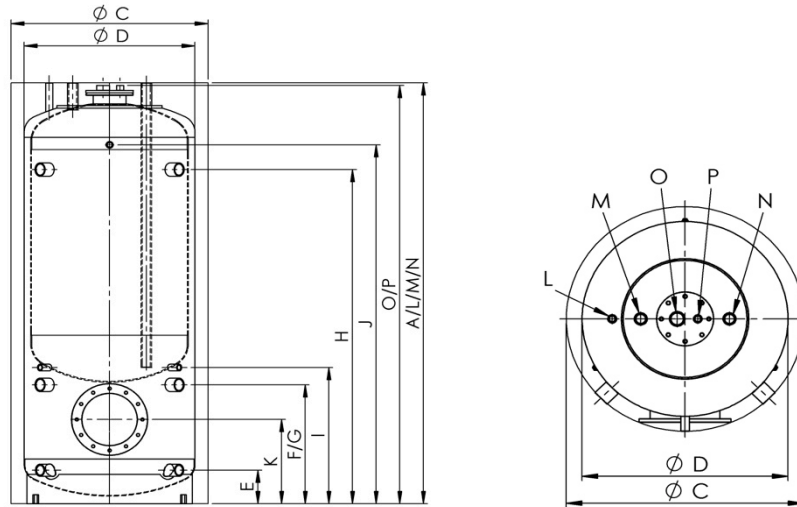
1 x thermometer with thermowell	Part no. T 80/50	
1 x thermowell 1000 mm	Part no. 11008	
1 x Magnesium protection anode	(1000 mm preinstalled)	Part no. 10007 1000

Double-jacketed hot water storage tank BDF/E 300/200 litres

Type BDF/E	Units	300/200
Hot water capacity	l	201
Service water capacity	l	282
dia. with insulation	mm	750
dia. without insulation	mm	650
Height with insulation	mm	1700
Tilted dimension	mm	1860
Boiler operating pressure	bar	6
Buffer tank operating pressure	bar	3
max. operating temperature	°C	95
Insulation		50 mm rigid foam polyurethane quick expanded
Standby heat losses	kWh/24h	
Weight	kg	182
Part no.		BDF/E 300

Type BDF/E	Units	300/200	
Buffer tank temperature	°C	50	80
Hot water continuous output 10 °C/ 45 °C	l/h	197	702
max. output*	kW	8.0	28.5

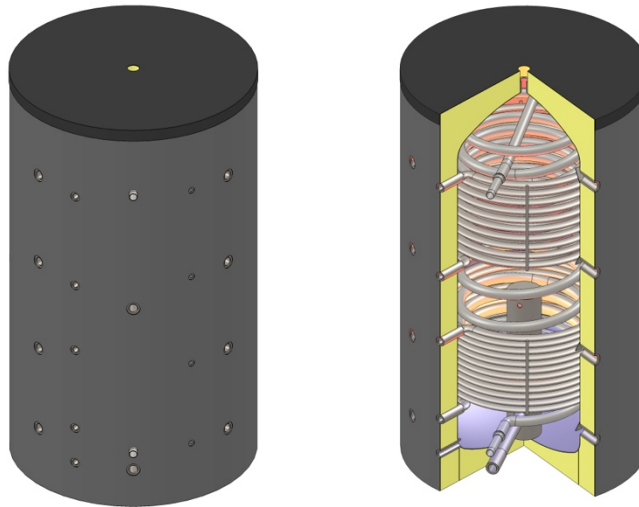
Double-jacketed hot water storage tank BDF/E 300/200 litres



	Use	Dimensions	300/200
A	Height	with insulation - mm	1730
B		without insulation - mm	-
C	Diameter	with insulation - mm	750
D		without insulation - mm	650
E	Return	Height - mm	135
		Connection - R*	1 ½"
F	ESH	Height - mm	480
		Connection - R*	1 ½"
G	Supply	Height - mm	480
		Connection - R*	1 ½"
H	Supply	Height - mm	1350
		Connection - R*	1 ½"
I	Sensor	Height - mm	550
		Connection - R*	½"
J	Thermometer	Height - mm	1450
		Connection - R*	½"
K	Flange	Height - mm	340
		Ø - mm	290/220
L	Buffer tank vent	Height - mm	1730
		Connection - R*	½"
M	Hot water	Height - mm	1730
		Connection - R*	1"
N	Cold water	Height - mm	1730
		Connection - R*	1"
O	Magnesium anode	Height - mm	1690
		Connection - R*	1 ¼"
P	Service water sensor	Height - mm	1690
		Connection - R*	½"

R14

Fresh water storage tank JHSS 600 - 1500 litres



The fresh water storage tanks with corrugated pipe from stainless steel V4A can be used with conventional or alternative energy sources. With its two heat exchangers, it can be connected with a solar system.

Design

The hot water storage tank is made from high-quality steel in accordance with EN 10025. The heat exchanger is made from stainless steel V4A. The buffer tank is externally coated with an oxidation-resistant paint and is untreated internally.

Heat exchanger

Heating water: Two welded large-surface heat exchangers from steel tubing.
 Service water: A welded corrugated tube from stainless steel V4A

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.

SVGW test report number: 0808-5401

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through two large heat exchangers
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Fresh water storage tank JHSS 600 - 1500 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard - insulation to be ordered separately

NEW German fire-resistance rating B2. 100 mm non-woven material insulation. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

130 or 160 mm insulation in non-woven material fire-resistance rating B2 with silver jacket.

Other colours and other fire-resistance ratings on request

Delivery time approximately three weeks. Packaged separately and supplied loose. Assembly is carried out by the customer. Prices on request.

Scope of supply

The fresh water storage tank is delivered on a pallet. Loose insulation. Accessories to order.

Further designs

Further types are available on request:

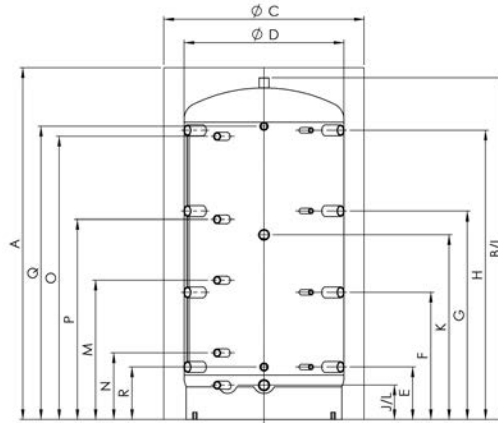
- Fresh water storage tanks without heat exchangers
- Fresh water storage tanks with 1 heat exchanger
- Fresh water storage tanks for heat pumps

Fresh water storage tank JHSS 600 - 1500 litres

Type JHSS	Units	600	800	1000	1250	1500
Gross capacity	l	560	718	887	1266	1500
Net capacity	l	509	655	814	1180	1406
dia. with insulation	mm	900	990	990	1150	1200
dia. without insulation	mm	700	790	790	950	1000
Height with insulation	mm	1700	1740	2090	2060	2220
Tilted dimension	mm	1690	1740	2085	2070	2230
Heating operating pressure	bar	3	3	3	3	3
Water operating pressure	bar	6	6	6	6	6
max. operating temperature	°C	95	95	95	95	95
Weight	kg	187	225	261	332	351
Part no.		JHSS 600	JHSS 800	JHSS 1000	JHSS 1250	JHSS 1500
Insulation		100 mm non-woven material				
Standby heat losses	kWh/24h					
Weight	kg	19	24	32	36	36
Part no.		JHVIS 600 S 100	JHVIS 800 S 100	JHVIS 1000 S 10	JHVIS 1250 S 10	JHVIS 1500 S 10

Type JHSS	Units	600	800	1000	1250	1500					
Bottom coil	m ²	1.8	2.5	2.8	2.8	2.7					
Bottom coil capacity	l	8.3	11.6	13.0	13.0	12.6					
Top coil	m ²	1.2	2.0	2.8	2.8	2.4					
Top coil capacity	l	5.5	9.3	13.0	13.0	11.2					
Heating surface stainless steel corrugated pipe	m ²	5.5	6.0	6.0	9.8	9.8					
Stainless steel corrugated pipe capacity	l	28.1	31.0	31.0	51.0	51.0					
Buffer tank temperature	°C	60	80	60	80	60	80	60	80	60	80
Hot water continuous output 10 °C/ 45 °C	l/min	7.2	11.6	7.8	12.0	7.8	12.0	13.5	22.6	13.5	22.6
max. coil output	kW	18	31	20	34	20	34	32	55	32	55

Fresh water storage tank JHSS 600 - 150 litres



	Use	Dimensions	600	800	1000	1250	1500
A	Height	with insulation - mm	1700	1740	2090	2060	2220
B		without insulation - mm	1650	1690	2040	2010	2170
C	Diameter	with insulation - mm	900	990	990	1150	1200
D		without insulation - mm	700	790	790	950	1000
E	Connection 1	Height - mm	230	260	310	310	380
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
		Sensor - R*	½"	½"	½"	½"	½"
F	Connection 2	Height - mm	610	630	745	745	825
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
		Sensor - R*	½"	½"	½"	½"	½"
G	Connection 3	Height - mm	990	1030	1250	1250	1350
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
		Sensor - R*	½"	½"	½"	½"	½"
H	Connection 4	Height - mm	1380	1430	1710	1710	1760
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
		Sensor - R*	½"	½"	½"	½"	½"
I	Top connection	Height - mm	1650	1690	2040	2010	2170
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
J	connection underneath	Height - mm	145	170	170	190	235
		Connection - R*	1"	1"	1"	1"	1"
K	ESH	Height - mm	850	915	1060	1060	1350
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
L	Connection layer pipe	Height - mm	145	170	170	190	235
		Connection - R*	1"	1 ½"	1 ½"	1 ½"	1 ½"
M	Supply bottom coil	Height - mm	790	690	750	760	780
		Connection - R*	1"	1"	1"	1"	1"
N	Return bottom coil	Height - mm	250	330	330	330	390
		Connection - R*	1"	1"	1"	1"	1"
O	Supply top coil	Height - mm	1270	1400	1710	1630	1760
		Connection - R*	1"	1"	1"	1"	1"
P	Return top coil	Height - mm	920	990	1240	1200	1410
		Connection - R*	1"	1"	1"	1"	1"
Q	Hot water stainless steel corrugated pipe	Height - mm	1380	1450	1770	1680	1835
		Connection - R" (AG)	1"	1"	1"	1"	1"
R	Cold water stainless steel corrugated pipe	Height - mm	230	260	270	310	335
		Connection - R" (AG)	1"	1"	1"	1"	1"

R15

Deep hot water storage tank Enamelled - LSP/E 150 - 200 litres



The enamelled hot water storage tank can be used as an under-mounted hot water storage tank with conventional and alternative energy sources.

Design

The hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion. Externally clad with sheet metal.

Heat exchanger

A welded large-surface heat exchanger. Externally enamelled. Steel tube heat exchanger.

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

SVGW Number: 9406-3242

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through large heat exchanger
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Deep hot water storage tank Enamelled - LSP/E 150 - 200 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

Standard - quick-expanded rigid polyurethane foam

NEW German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Outer jacket from sheet metal in silver.

Scope of supply

The hot water storage tank is delivered packed in a carton on a pallet.

Deep hot water storage tank Enamelled - LSP/E 150 - 200 litres

Type LSP/E	Units	150	200
Capacity	l	150	200
Height	mm	550	550
Width	mm	600	600
Length	mm	1030	1295
Heating operating pressure	bar	10	10
Water operating pressure	bar	10	10
max. operating temperature	°C	95	95
max. boiler weight	kg	300	300
Insulation		Rigid polyurethane foam with sheet metal cladding	
Hot water storage tank weight	kg	95	114
Standby heat losses	kWh/24h		
Part no.		LSP 150/E	LSP 200/E

Type LSP/E	Units	150	200
Bottom coil	m ²	0.95	1.25
Coil capacity	l	5.2	6.7
Throughput	m ³ / h	1.2	1.6
Pressure loss	mbar	20	45
Continuous output 10 °C/45 °C/80 °C	l/h	344	452
max. coil output	kW	14.0	18.4
Performance factor	N _L	2.0	3.0

R16

Deep hot water storage tank Stainless steel V4A - LSP/C 150 - 500 litres



The stainless steel V4A hot water storage tank can be used as an under-mounted hot water storage tank with conventional and alternative energy sources.

Design

EiTherm hot water storage tanks are manufactured from high quality stainless steel V4A. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

Each hot water storage tank is pickled and cleaned in order to ensure that the greatest possible protection is attained. Externally clad with sheet metal.

Heat exchanger

A welded large-surface heat exchanger. Stainless steel tube heat exchanger.

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

SVGW-No.: 9406-3242

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through large heat exchanger
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Deep hot water storage tank Stainless steel V4A - LSP/C 150 - 500 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

Standard - quick-expanded rigid polyurethane foam

NEW German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Outer jacket from sheet metal in silver.

Scope of supply

The hot water storage tank is delivered packed in a carton on a pallet.

Deep hot water storage tank Stainless steel V4A - LSP/C 150 - 500 litres

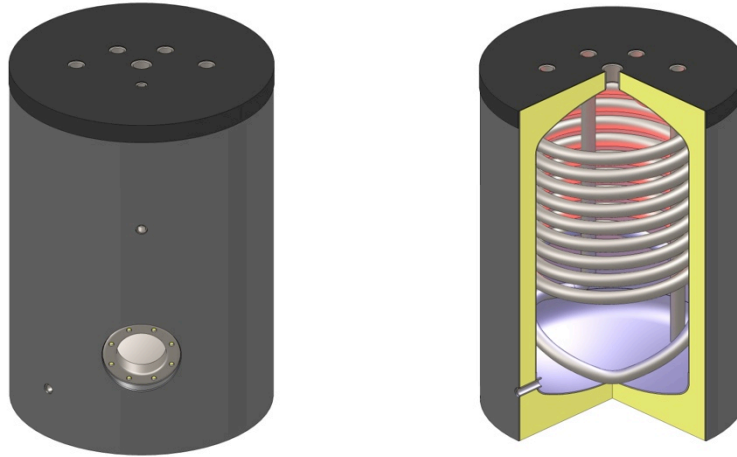
Type LSP/C	Units	150	200	330	500
Capacity	l	150	200	330	500
Height	mm	550	550	640	750
Width	mm	600	600	640	750
Length	mm	1010	1275	1650	1725
Heating operating pressure	bar	10	10	10	10
Water operating pressure	bar	10	10	10	10
max. operating temperature	°C	95	95	95	95
max. boiler weight	kg	300	300	900	900
Insulation		Rigid polyurethane foam with sheet metal cladding			
Hot water storage tank weight	kg	74	91	180	228
Standby heat losses	kWh/24h				
Part no.		LSP 150/C	LSP 200/C	LSP 330/C	LSP 500/C

Type LSP/C	Units	150	200	330	500
Bottom coil	m ²	0.72	1.25	2.55	3.60
Coil capacity	l	3.9	6.7	16.2	22.9
Throughput	m ³ / h	1.2	2.1	4.3	2.7
Pressure loss	mbar	20	75	360	205
Continuous output 10 °C/45 °C/80 °C	l/h	344	597	1220	1540
max. coil output	kW	14.0	24.3	49.7	62.7
Performance factor	N _L	2.0	3.0	9.0	16.0

R17

High-performance hot water storage tank with 1 heat exchanger

Enamelled - HR/E 300 - 150 litres



The enamelled hot water storage tank can be used as an under-mounted hot water storage tank with conventional and alternative energy sources. If necessary, an electric heater can be installed.

Design

The hot water storage tank is manufactured from the highest quality steel according to standard EN 10025, which is most suitable for the enamelling. The hot water storage tank is designed, manufactured and certified in accordance with EN 12897:2006.

Anti-corrosion protection

The hot water storage tanks have a two-layer enamelling in accordance with DIN 4753. Oversized sacrificial anodes (Magnesium) also provide protection against corrosion.

Heat exchanger

A welded large-surface heat exchanger. Externally enamelled. Heat exchanger from 1" diameter steel tube.

Tests and certificates

All hot water storage tanks are tested according to all the relevant standards. Thus, in the case of a claim on the warranty, insurances can also provide cover. An in-house certified test bench ensures ongoing monitoring and updating. This test bench is EN certified and externally monitored.

Manufacturer's certificate in accordance with EN 12897:2006: No. 0955-SWW-65/1040

Actual volumes. Mechanical strength and stability. Standby heat losses. Performance test.
SVGW test report number: 1303-6133

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through large heat exchanger
- High level of comfort through large net volumes
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

High-performance hot water storage tank with 1 heat exchanger

Enamelled - HR/E 300 - 150 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

Standard - quick-expanded rigid polyurethane foam

NEW German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. EN12897/SVGW tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

Electric heater

Equipped according to customer specifications and requirements. Electric heaters for the flanges are possible for all hot water storage tanks. Please specify the desired power (kW) when ordering.

Scope of supply

We supply the hot water storage tanks with a wide range of accessories for installation. More accessories to order.

1 x operating instructions		
1 x thermometer with thermowell		Part no. T 80/50
1 x thermowell	200 mm	Part no. 11008
1 x Magnesium protection anode	520 mm	Part no. 10007 520

High-performance hot water storage tank with 1 heat exchanger

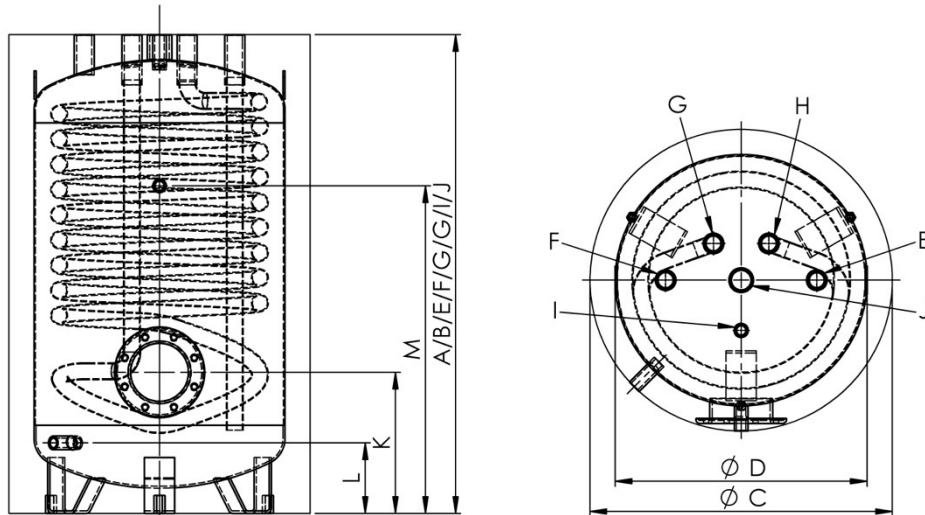
Enamelled - HR/E 300 - 150 litres

Type HR/E 150	Units	150
Gross capacity	l	150
Net capacity	l	138
dia. with insulation	mm	600
dia. without insulation	mm	500
Height with insulation	mm	950
Tilted dimension	mm	1088
Heating operating pressure	bar	6
Water operating pressure	bar	6
Test pressure	bar	12
max. operating temperature	°C	95
Insulation		50 mm rigid foam polyurethane quick expanded
Weight	kg	67
Standby heat losses	kWh/24h	
Part no.		B 150 HR/E N

Type HR/E 150	Units	150
Coil	m ²	1.4
Coil capacity	l	9.2
Throughput	m ³ / h	1.5
Pressure loss	mbar	536
Continuous output 10 °C/45 °C/80 °C	l/h	506
max. coil output	kW	20.6
Performance factor	N _L	2.0

High-performance hot water storage tank with 1 heat exchanger

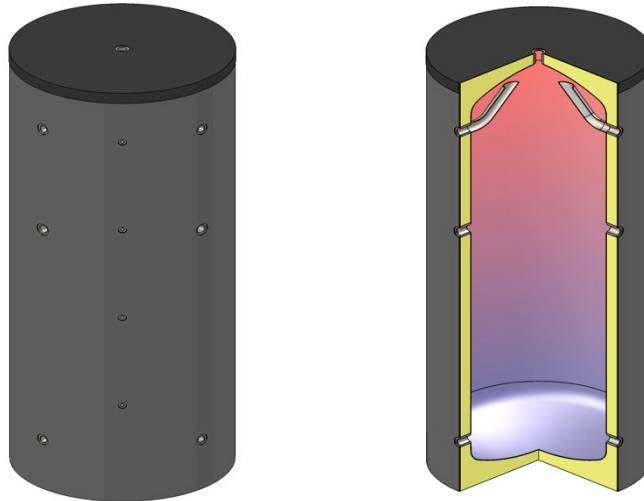
Enamelled - HR/E 300 - 150 litres



	Use	Dimensions	150
A	Height	with insulation - mm	950
B		without insulation - mm	950
C	Diameter	with insulation - mm	600
D		without insulation - mm	500
E	Cold water	Height - mm	950
		Connection - R" (AG)	1"
F	Hot water	Height - mm	950
		Connection - R" (AG)	1"
K	Flange	Height - mm	280
		Ø - mm	180/120
G	Supply coil	Height - mm	950
		Connection - R" (AG)	1"
H	Return coil	Height - mm	950
		Connection - R" (AG)	1"
I	Sensor	Height - mm	950
		Connection - R*	½"
J	Magnesium anode	Height - mm	950
		Connection - R*	1 ¼"
L	Draining	Height - mm	140
		Connection - R*	½"
M	Circulation	Height - mm	350
		Connection - R*	½"

R18

Buffer tank for heat pump PU ES 200 – 600 litres



The buffer tanks are ideal as auxiliary buffer tanks for heat pumps. The PU series can also be combined with other heat sources.

Design

The hot water storage tank is made from high-quality steel in accordance with EN 10025. The hot water storage tanks is designed with an operating pressure of 3 bar and a test pressure of 4.5 bar.

Anti-corrosion protection

The hot water storage tanks are untreated on the inside and covered with rigid polyurethane foam on the outside.

Tests and certificates

The buffer tanks are tested in-house for strength and stability and standby heat losses in accordance with EN 12897.

The advantages of EiTherm buffer tanks

- Safety for those operating the system through all relevant tests
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Buffer tank for heat pump PU ES 200 – 600 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

Standard - quick-expanded rigid polyurethane foam

NEW German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. Tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

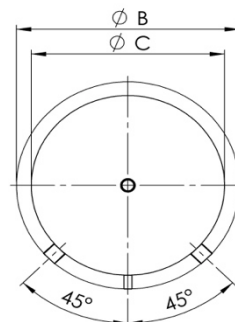
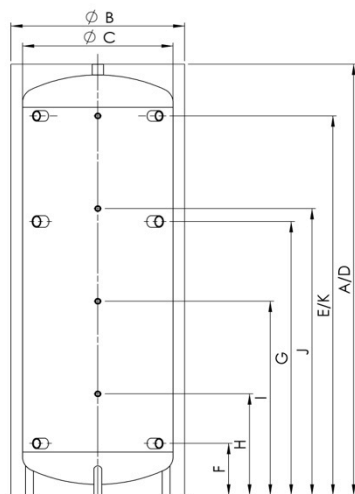
Electric heater

Screw-in electric heater ESH 1 ½" (Accessories)

Scope of supply

The storage tank is delivered packed on a pallet. More accessories to order.

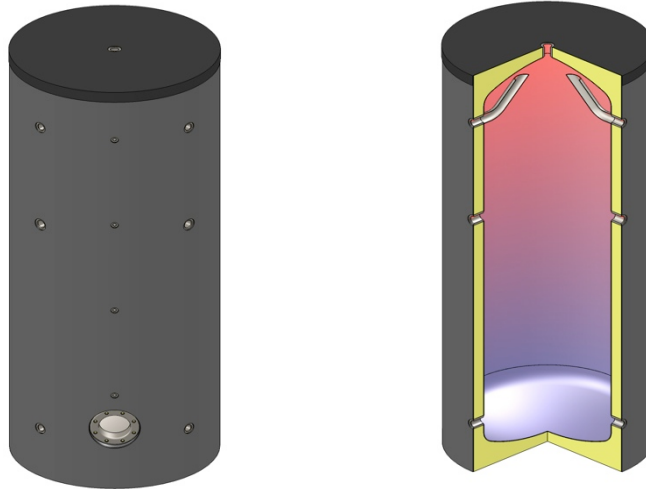
Buffer tank for heat pump PU ES 200 – 600 litres



	Use	Dimensions	200	300	400	500	600
	Capacity	litres	202	304	396	478	592
	Tilted dimension	mm	1360	1700	1680	1950	2140
A	Height	with insulation - mm	1215	1570	1500	1800	2000
B	Diameter	with insulation - mm	600	650	750	750	750
C		without insulation - mm	500	550	650	650	650
D	Supply	Height - mm	1215	1570	1500	1800	2000
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
E	Supply	Height - mm	1000	1295	1210	1510	1760
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
F	Return	Height - mm	220	275	290	340	240
		Connection - R*	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
G	1 x ESH	Height - mm	740	950	920	1120	1270
		Connection - R*	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
H	Thermometer/ Sensor	Height - mm	430	515	520	550	470
		Connection - R*	½"	½"	½"	½"	½"
I	Thermometer/ Sensor	Height - mm	620	775	750	870	900
		Connection - R*	½"	½"	½"	½"	½"
J	Thermometer/ Sensor	Height - mm	810	1035	980	1190	1330
		Connection - R*	½"	½"	½"	½"	½"
K	Thermometer/ Sensor	Height - mm	1000	1295	1210	1510	1760
		Connection - R*	½"	½"	½"	½"	½"
	Insulation		50 mm rigid foam polyurethane quick expanded				
	Standby heat losses	kWh/ 24h					
	Weight	kg	46	61	70	80	91
	Part no.		30002/ ESNN	30003/ ESNN	30004/ ESNN	30005/ ESNN	30006/ ESNN

R19

Buffer tank for heat pump with flange PUF ES 200 – 600 litres



The buffer tanks are ideal as an auxiliary buffer tank for heat pumps. The PU series can also be combined with other heat sources. An electric heater (Accessories) can be installed in the flange.

Design

The hot water storage tank is made from high-quality steel in accordance with EN 10025. The hot water storage tanks is designed with an operating pressure of 3 bar and a test pressure of 4.5 bar.

Anti-corrosion protection

The hot water storage tanks are untreated on the inside and covered with rigid polyurethane foam on the outside.

Tests and certificates

The buffer tanks are tested in-house for strength and stability and standby heat losses in accordance with EN 12897.

The advantages of EiTherm buffer tanks

- Safety for those operating the system through all relevant tests
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Ready-to-install delivery
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Buffer tank for heat pump with flange PUF ES 200 – 600 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

Standard - quick-expanded rigid polyurethane foam

NEW German fire-resistance rating B2. 50-mm quick-expanded rigid polyurethane foam Free from chimney effect for maximum effectiveness. Tested in accordance with the Swiss Energy Regulations. HCFC-free. Skai jacket silver. Optional colours of your choice. Plastic cover and roses with fire-resistance rating B2.

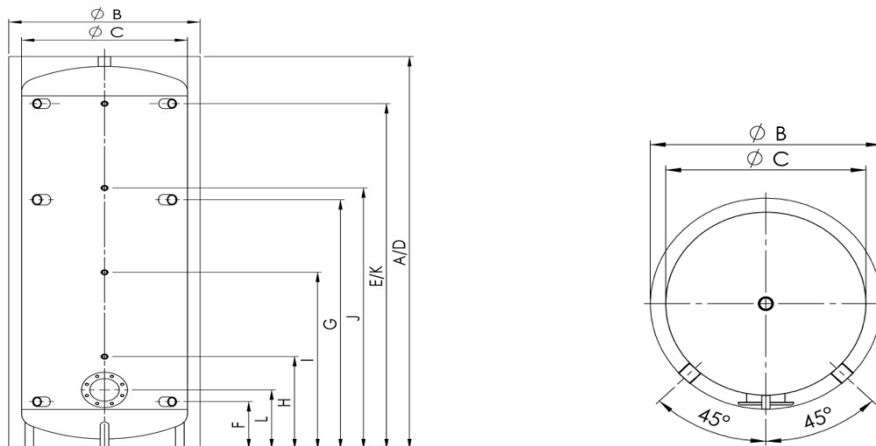
Electric heater

Screw-in electric heater ESH 1 ½" (Accessories) and electric heater installed in the flange

Scope of supply

The storage tank is delivered packed on a pallet. More accessories to order.

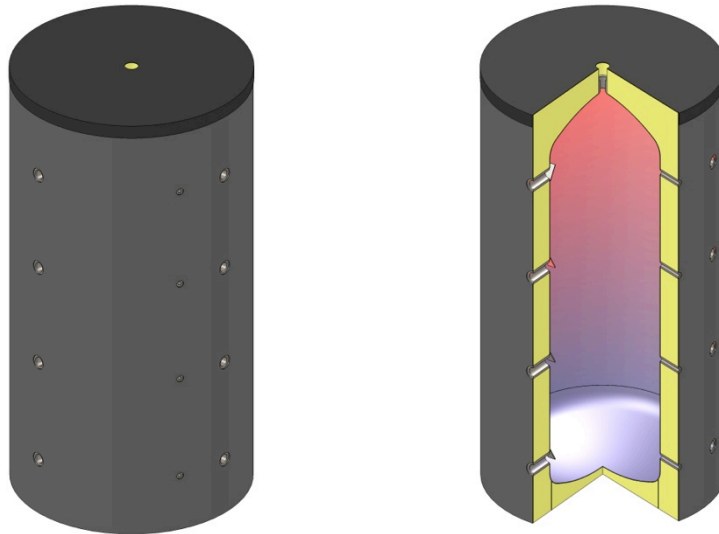
Buffer tank for heat pump with flange PUF ES 200 – 600 litres



	Use	Dimensions	200	300	400	500	600
	Capacity	litres	202	304	396	478	592
	Tilted dimension	mm	1360	1700	1680	1950	2140
A	Height	with insulation - mm	1215	1570	1500	1800	2000
B	Diameter	with insulation - mm	600	650	750	750	750
C		without insulation - mm	500	550	650	650	650
D	Supply	Height - mm	1215	1570	1500	1800	2000
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
E	Supply	Height - mm	1000	1295	1210	1510	1760
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
F	Return	Height - mm	220	275	290	340	240
		Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
G	1 x ESH	Height - mm	740	950	920	1120	1270
		Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
H	Thermometer/ Sensor	Height - mm	430	515	520	550	470
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"
I	Thermometer/ Sensor	Height - mm	620	775	750	870	900
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"
J	Thermometer/ Sensor	Height - mm	810	1035	980	1190	1330
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"
K	Thermometer/ Sensor	Height - mm	1000	1295	1210	1510	1760
		Connection - R*	1/2"	1/2"	1/2"	1/2"	1/2"
L	Flange	Height - mm	290	340	350	400	300
		Ø - mm	180/120	180/120	180/120	180/120	180/120
	Insulation		50 mm rigid foam polyurethane quick expanded				
	Standby heat losses	kWh/ 24h					
	Weight	kg	47	62	71	81	92
	Part no.		30012/ ESNN	30013/ ESNN	30014/ ESNN	30015/ ESNN	30016/ ESNN

R20

Buffer tank PSM 300 – 5000 litres



The buffer tanks are ideally suitable for load balancing and for heat storage with conventional and alternative energy sources.

Design

The hot water storage tank is made from high-quality steel in accordance with EN 10025. The hot water storage tanks is designed with an operating pressure of 3 bar and a test pressure of 4.5 bar.

Option

Models with 130 und 160 mm fitting lengths. Use with 130 and 160 mm insulation. Delivery time approx. 10 days.

Anti-corrosion protection

The storage tanks are untreated internally and coated externally with corrosion-protection paint.

Tests and certificates

The buffer tanks are tested in-house for strength and stability and standby heat losses in accordance with EN 12897.

The advantages of EiTherm buffer tanks

- Safety for those operating the system through all relevant tests
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Stratification plates optimise the stratification during influx
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Buffer tank

PSM 300 – 5000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard - insulation to be ordered separately

NEW German fire-resistance rating B2. 100 mm non-woven material insulation. Optimum support on the hot water storage tank. HCFC-free. Silver jacket Supplied loose. Assembly is carried out by the customer. Other colours to order.

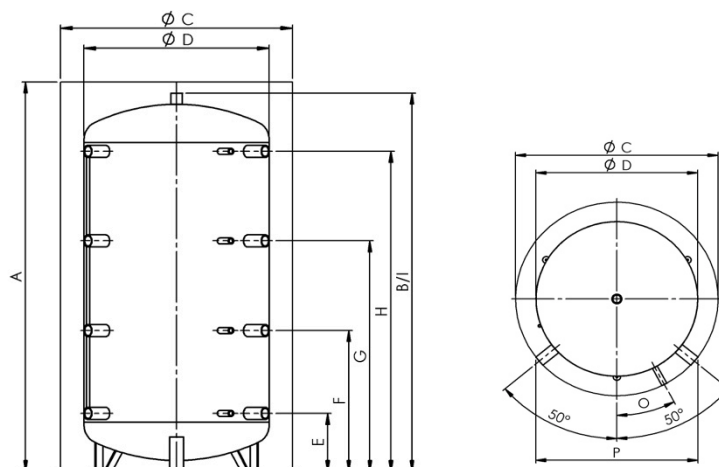
Options

130 or 160 mm insulation in non-woven material fire-resistance rating B2 with silver jacket.
Other colours and other fire-resistance ratings on request
Delivery time approximately three weeks.

Scope of supply

The buffer tanks are delivered on a pallet. Loose insulation. Accessories to order.

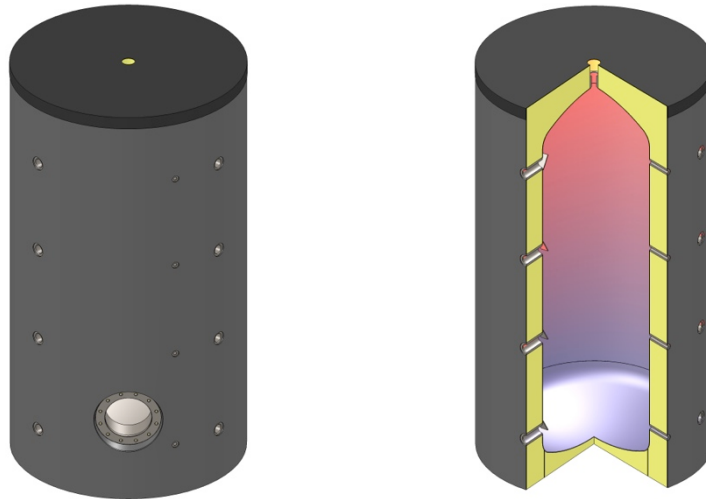
Buffer tank PSM 300 – 5000 litres



Use	Dimensions	300	500	600	800	1000	1250	1500	2000	2500	3000	4000	5000
Gross capacity	litres	279	480	560	718	887	1266	1500	2021	2304	2852	3759	5003
Tilted dimension	mm	1385	1665	1690	1740	2085	2070	2195	2420	2395	2780	2935	3035
P Delivery dimensions, fitting length 100 mm	mm	610	690	740	800	800	950	1000	1100	1250	1250	1400	1600
	130 mm mm	660	740	780	840	840	970	1010	1100	1250	1250	1400	1600
	160 mm mm	710	780	820	890	890	1100	1050	1130	1250	1250	1400	1600
A Height	with insul. - mm	1400	1680	1700	1740	2090	2060	2200	2420	2330	2770	2885	2920
	without insulation - mm	1350	1630	1650	1690	2040	2010	2150	2370	2280	2720	2835	2870
C Diameter	with insul. - mm	750	850	900	990	990	1150	1200	1300	1450	1450	1600	1800
	without insulation - mm	550	650	700	790	790	950	1000	1100	1250	1250	1400	1600
E Connection 1*	Height - mm	220	220	230	260	310	310	380	320	535	380	505	400
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
F Connection 2*	Height - mm	470	620	610	630	745	745	825	900	975	1020	1110	1100
	Connection- R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
G Connection 3*	Height - mm	800	1010	990	1030	1250	1250	1350	1490	1415	1680	1860	1810
	Connection- R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
H Connection 4*	Height - mm	1120	1390	1380	1430	1710	1710	1760	2020	1855	2330	2410	2520
	Connection- R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
I Top connection	Height - mm	1350	1630	1650	1690	2040	2010	2150	2370	2280	2720	2835	2870
	Connection- R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
O Positioning sensor	°	18.5	23.5	28.0	28.0	28.0	32.0	33.0	34.5	36.0	36.0	37.5	39.0
Weight	kg	55	74	80	92	106	155	165	198	236	282	361	428
Part no.		PSM 300	PSM 500	PSM 600	PSM 800	PSM 1000	PSM 1250	PSM 1500	PSM 2000	PSM 2500	PSM 3000	PSM 4000	PSM 5000
Insulation		100 mm non-woven material											
Weight	kg	17	20	23	28	35	40	43	45	50	58	64	71
Part no.		VPS 300 S 100	VPS 500 S 100	VPS 600 S 100	VPS 800 S 100	VPS 1000 S 100	VPS 1250 S 100	VPS 1500 S 100	VPS 2000 S 100	VPS 2500 S 100	VPS 3000 S 100	VPS 4000 S 100	VPS 5000 S 100
*EHS (Electric heater)	to kW	4.5	6.0	7.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

R20

Buffer tank with flange PSF 300 – 5000 litres



The buffer tanks are ideally suitable for load balancing and for heat storage with conventional and alternative energy sources. An additional heat exchanger or electric heater (Accessories) can be installed on the flange

Design

The hot water storage tank is made from high-quality steel in accordance with EN 10025. The hot water storage tanks is designed with an operating pressure of 3 bar and a test pressure of 4.5 bar.

Option

Models with 130 und 160 mm fitting lengths. Use with 130 and 160 mm insulation. Delivery time approx. 10 days.

Anti-corrosion protection

The storage tanks are untreated internally and coated externally with corrosion-protection paint.

Tests and certificates

The buffer tanks are tested in-house for strength and stability and standby heat losses in accordance with EN 12897.

The advantages of EiTherm buffer tanks

- Safety for those operating the system through all relevant tests
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Stratification plates optimise the stratification during influx
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Buffer tank with flange PSF 300 – 5000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard - insulation to be ordered separately

NEW German fire-resistance rating B2. 100 mm non-woven material insulation. Optimum support on the hot water storage tank. HCFC-free. Silver jacket Supplied loose. Assembly is carried out by the customer. Other colours to order.

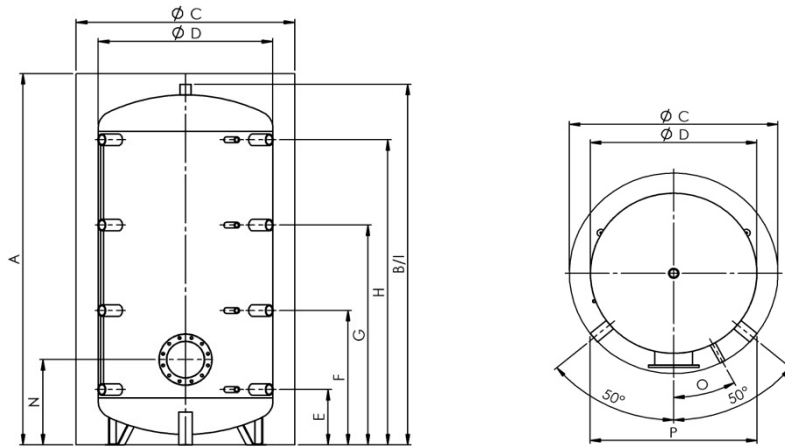
Options

130 or 160 mm insulation in non-woven material fire-resistance rating B2 with silver jacket.
Other colours and other fire-resistance ratings on request
Delivery time approximately three weeks.

Scope of supply

The buffer tanks are delivered on a pallet. Loose insulation. Accessories to order.

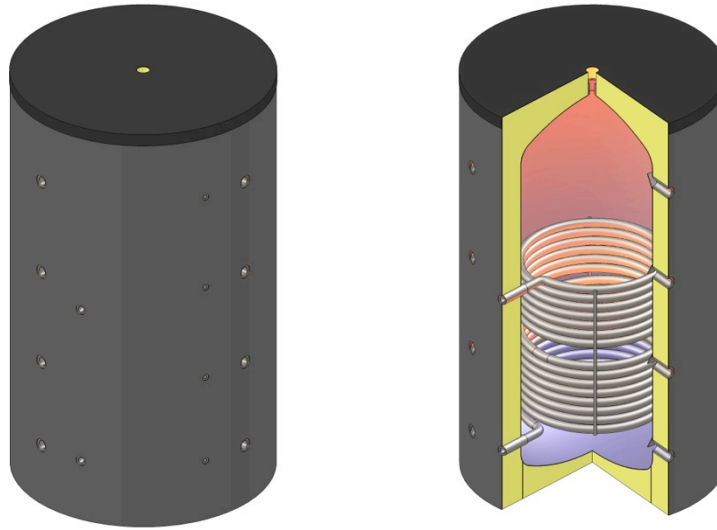
Buffer tank with flange PSF 300 – 5000 litres



Use	Dimensions	300	500	600	800	1000	1250	1500	2000	2500	3000	4000	5000
Gross capacity	litres	279	480	560	718	887	1266	1500	2021	2304	2852	3759	5003
Tilted dimension	mm	1385	1665	1690	1740	2085	2070	2195	2420	2395	2780	2935	3035
P Delivery dimensions, fitting length 100 mm	mm	610	690	740	800	800	950	1000	1100	1250	1250	1400	1600
	130 mm	660	740	780	840	840	970	1010	1100	1250	1250	1400	1600
	160 mm	710	780	820	890	890	1100	1050	1130	1250	1250	1400	1600
A Height	with insulation - mm	1400	1680	1700	1740	2090	2060	2200	2420	2330	2770	2885	2920
	without insulation - mm	1350	1630	1650	1690	2040	2010	2150	2370	2280	2720	2835	2870
C Diameter	with insulation - mm	750	850	900	990	990	1150	1200	1300	1450	1450	1600	1800
	without insulation - mm	550	650	700	790	790	950	1000	1100	1250	1250	1400	1600
E Connection 1*	Height - mm	220	220	230	260	310	310	380	320	535	380	505	400
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
F Connection 2*	Height - mm	470	620	610	630	745	745	825	900	975	1020	1110	1100
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
G Connection 3*	Height - mm	800	1010	990	1030	1250	1250	1350	1490	1415	1680	1860	1810
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
H Connection 4*	Height - mm	1120	1390	1380	1430	1710	1710	1760	2020	1855	2330	2410	2520
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
I Top connection	Height - mm	1350	1630	1650	1690	2040	2010	2150	2370	2280	2720	2835	2870
	Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
N Flange	Height - mm	300	340	330	390	390	375	415	425	755	600	585	640
	Ø - mm	180/120	290/220	290/220	290/220	290/220	290/220	290/220	290/220	290/220	290/220	290/220	290/220
O Positioning sensor	°	18.5	23.5	28.0	28.0	28.0	32.0	33.0	34.5	36.0	36.0	37.5	39.0
Weight	kg	58	78	84	97	111	158	168	201	239	285	364	431
Part no.		PSF 300	PSF 500	PSF 600	PSF 800	PSF 1000	PSF 1250	PSF 1500	PSF 2000	PSF 2500	PSF 3000	PSF 4000	PSF 5000
Insulation		100 mm non-woven material											
Weight	kg	17	20	23	28	35	40	43	45	50	58	64	71
Part no.		VPSF 300 S 100	VPSF 500 S 100	VPSF 600 S 100	VPSF 800 S 100	VPSF 1000 S 100	VPSF 1250 S 100	VPSF 1500 S 100	VPSF 2000 S 100	VPSF 2500 S 100	VPSF 3000 S 100	VPSF 4000 S 100	VPSF 5000 S 100
*EHS (Electric heater)	to kW	4.5	6.0	7.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

R21

Buffer tank with 1 heat exchanger PSR 500 – 5000 litres



The buffer tanks are ideally suitable for load balancing and for heat storage with conventional and alternative energy sources. The buffer tank has an additional heat exchanger (possibility of connection to a solar system).

Design

The hot water storage tank is made from high-quality steel in accordance with EN 10025. The hot water storage tanks is designed with an operating pressure of 3 bar and a test pressure of 4.5 bar.

Heat exchanger

A welded large-surface heat exchanger. Heat exchanger from 1" diameter steel tube

Option

Models with 130 und 160 mm fitting lengths. Use with 130 and 160 mm insulation. Delivery time approx. 10 days.

Anti-corrosion protection

The storage tanks are untreated internally and coated externally with corrosion-protection paint.

Tests and certificates

The buffer tanks are tested in-house for strength and stability and standby heat losses in accordance with EN 12897.

The advantages of EiTherm buffer tanks

- Safety for those operating the system through all relevant tests (EN 12897/SVGW)
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through large heat exchanger
- Stratification plates optimise the stratification during influx
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Buffer tank with 1 heat exchanger PSR 500 – 5000 litres

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard - insulation to be ordered separately

NEW German fire-resistance rating B2. 100 mm non-woven material insulation. Optimum support on the hot water storage tank. HCFC-free. Silver jacket Supplied loose. Assembly is carried out by the customer. Other colours to order.

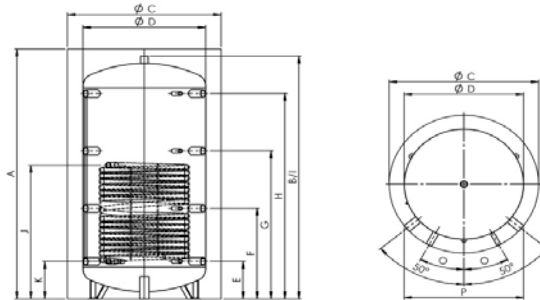
Options

130 or 160 mm insulation in non-woven material fire-resistance rating B2 with silver jacket.
Other colours and other fire-resistance ratings on request
Delivery time approximately three weeks.

Scope of supply

The buffer tanks are delivered on a pallet. Loose insulation. Accessories to order.

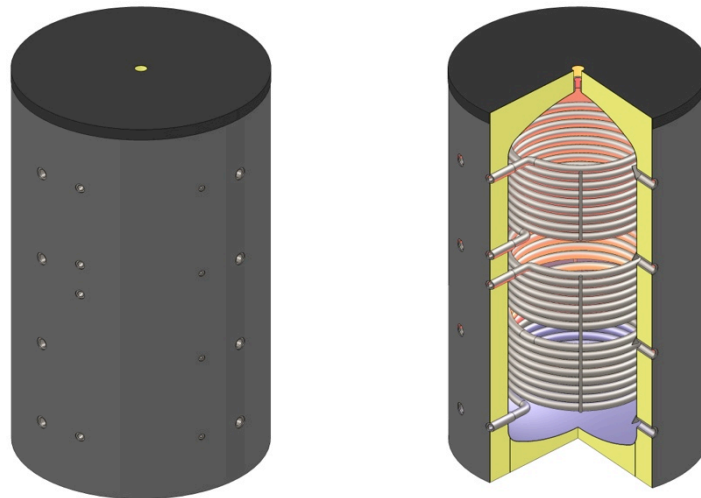
Buffer tank with 1 heat exchanger PSR 500 – 5000 litres



Use	Dimensions	500	600	800	1000	1250	1500	2000	2500	3000	4000	5000
Gross capacity	litres	480	560	718	887	1266	1500	2021	2304	2852	3759	5003
Net capacity	litres	461	545	694	861	1240	1470	1986	2249	2817	3715	4952
Coil	m ²	2.3	1.8	2.8	3.1	3.1	3.6	4.2	4.2	4.2	5.4	6.1
Coil capacity	litres	15.1	11.8	18.3	20.3	20.3	23.6	27.5	27.5	27.5	35.3	39.9
Tilted dimension	mm	1665	1690	1740	2085	2070	2195	2420	2395	2780	2935	3035
P Delivery dimensions, fitting length 100 mm	mm	690	740	800	800	950	1000	1100	1250	1250	1400	1600
	130 mm mm	740	780	840	840	970	1010	1100	1250	1250	1400	1600
	160 mm mm	780	820	890	890	1100	1050	1130	1250	1250	1400	1600
A Height	with insul. - mm	1680	1700	1740	2090	2060	2200	2420	2330	2770	2885	2920
	without insulation - mm	1630	1650	1690	2040	2010	2150	2370	2280	2720	2835	2870
C Diameter	with insulation - mm	850	900	990	990	1150	1200	1300	1450	1450	1600	1800
	without insulation - mm	650	700	790	790	950	1000	1100	1250	1250	1400	1600
E Connection 1	Height - mm	220	230	260	310	310	380	320	535	380	505	400
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
F Connection 2*	Height - mm	620	610	630	745	745	825	900	975	1020	1110	1100
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
G Connection 3	Height - mm	1010	990	1030	1250	1250	1350	1490	1415	1680	1860	1810
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
H Connection 4	Height - mm	1390	1380	1430	1710	1710	1760	2020	1855	2330	2410	2520
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
I Top connection	Height - mm	1630	1650	1690	2040	2010	2150	2370	2280	2720	2835	2870
	Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
J Supply coil	Height - mm	1120	790	930	1030	1015	1180	1120	1250	1430	1555	1580
	Connection - R*	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
K Return coil	Height - mm	220	250	260	310	300	380	320	535	480	505	580
	Connection - R*	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
O Positioning sensor	°	23.5	28.0	28.0	28.0	32.0	33.0	34.5	36.0	36.0	37.5	39.0
Supply Return coil												
Weight	kg	113	111	138	157	204	222	264	303	350	446	523
Part no.		PSR 500	PSR 600	PSR 800	PSR 1000	PSR 1250	PSR 1500	PSR 2000	PSR 2500	PSR 3000	PSR 4000	PSR 5000
Insulation		100 mm non-woven material										
Weight	kg	20	23	28	35	40	43	45	50	58	64	71
Part no.		VPS 500 S 100	VPS 600 S 100	VPS 800 S 100	VPS 1000 S 100	VPS 1250 S 100	VPS 1500 S 100	VPS 2000 S 100	VPS 2500 S 100	VPS 3000 S 100	VPS 4000 S 100	VPS 5000 S 100
*EHS (Electric heater)	to kW	6.0	7.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

R22

Buffer tank with 2 heat exchangers PSRR 800 – 3000 litres



The buffer tanks are ideally suitable for load balancing and for heat storage with conventional and alternative energy sources. The buffer tank has two additional heat exchangers (possibility of connection to a solar system).

Design

The hot water storage tank is made from high-quality steel in accordance with EN 10025. The hot water storage tanks is designed with an operating pressure of 3 bar and a test pressure of 4.5 bar.

Heat exchanger

Two welded large-surface heat exchangers. Heat exchanger from 1" diameter steel tube

Option

Models with 130 und 160 mm fitting lengths. Use with 130 and 160 mm insulation. Delivery time approx. 10 days.

Anti-corrosion protection

The storage tanks are untreated internally and coated externally with corrosion-protection paint.

Tests and certificates

The buffer tanks are tested in-house for strength and stability and standby heat losses in accordance with EN 12897.

The advantages of EiTherm hot water storage tanks

- Safety for those operating the system through all relevant tests
- Safety through fire-resistance rating B2 for all hot water storage tanks and Insulation
- Energy savings through high-quality insulation
- Efficient heat transfer through large heat exchangers
- Stratification plates optimise the stratification during influx
- Our quick and efficient logistics allows our customers to access a range of over 200 standard hot water storage tanks, from stock, within a few days.
- Our SWISS MADE production guarantees the highest quality through precision manufacture using state-of-the-art robots and continuous quality assurance.

Buffer tank with 2 heat exchangers **PSRR 800 – 3000 litres**

Insulation

EiTherm strives to always take advantage of the most up-to-date energy saving opportunities. We seek the best solutions for you. Decisive for us are the measurements made of the hot water storage tank combined with its insulation, because this combination is also used in practice. All our insulations are manufactured to fire-resistance rating B2.

When selecting the insulation, please take into account country-specific standards.

Standard - insulation to be ordered separately

NEW German fire-resistance rating B2. 100 mm non-woven material insulation. Optimum support on the hot water storage tank. HCFC-free. Silver jacket Supplied loose. Assembly is carried out by the customer. Other colours to order.

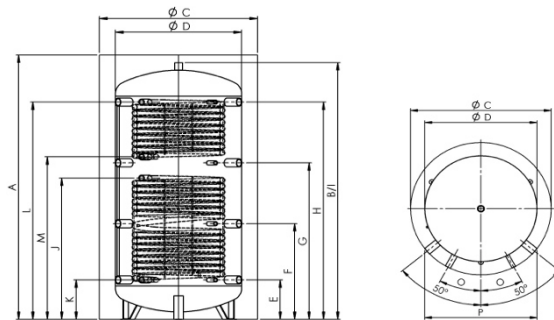
Options

130 or 160 mm insulation in non-woven material fire-resistance rating B2 with silver jacket.
Other colours and other fire-resistance ratings on request
Delivery time approximately three weeks.

Scope of supply

The buffer tanks are delivered on a pallet. Loose insulation. Accessories to order.

Buffer tank with 2 heat exchangers PSRR 800 – 3000 litres



Use	Dimensions	800	1000	1250	1500	2000	2500	3000
Gross capacity	litres	718	887	1266	1500	2021	2304	2852
Net capacity	litres	680	841	1220	1449	1960	2227	2790
Bottom coil	m ²	2.8	3.1	3.1	3.6	4.2	4.2	4.2
Bottom coil capacity	litres	18.3	20.3	20.3	23.6	27.5	27.5	27.5
Top coil	m ²	1.8	2.4	2.4	2.6	3.1	2.6	3.3
Top coil capacity	litres	11.8	15.7	15.7	17.0	20.3	17.0	21.6
Tilted dimension	mm	1740	2085	2070	2195	2420	2395	2780
P Delivery dimensions: fitting length 100 mm	mm	800	800	950	1000	1100	1250	1250
	130 mm	840	840	970	1000	1100	1250	1250
	160 mm	890	890	1100	1050	1130	1250	1250
A Height	with insul. - mm	1740	2090	2060	2200	2420	2330	2770
	without insulation - mm	1690	2040	2010	2150	2370	2280	2720
C Diameter	with insul. - mm	990	990	1150	1200	1300	1450	1450
	without insulation - mm	790	790	950	1000	1100	1250	1250
E Connection 1	Height - mm	260	310	310	380	320	535	380
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
F Connection 2*	Height - mm	630	745	745	825	900	975	1020
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
G Connection 3	Height - mm	1030	1250	1250	1350	1490	1415	1680
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
H Connection 4	Height - mm	1430	1710	1710	1760	2020	1855	2330
	Connection - R*	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"
	Sensor - R*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
I Top connection	Height - mm	1690	2040	2010	2150	2370	2280	2720
	Connection - R*	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
J Supply bottom coil	Height - mm	930	1030	1015	1180	1120	1250	1430
	Connection - R*	1"	1"	1"	1"	1"	1"	1"
K Return bottom coil	Height - mm	260	310	300	380	320	535	480
	Connection - R*	1"	1"	1"	1"	1"	1"	1"
L Supply top coil	Height - mm	1430	1700	1695	1760	2020	1855	2330
	Connection - R*	1"	1"	1"	1"	1"	1"	1"
M Return top coil	Height - mm	1070	1160	1155	1260	1420	1415	1530
	Connection -R*	1"	1"	1"	1"	1"	1"	1"
O Positioning sensor Supply, Return coil	°	28.0	28.0	32.0	33.0	34.5	36.0	36.0
Weight	kg	165	196	242	262	312	343	401
Part no.		PSRR 800	PSRR 1000	PSRR 1250	PSRR 1500	PSRR 2000	PSRR 2500	PSRR 3000
Insulation		100 mm non-woven material						
Weight	kg	28	35	40	43	45	50	58
Part no.		VPS 800 S 100	VPS 1000 S 100	VPS 1250 S 100	VPS 1500 S 100	VPS 2000 S 100	VPS 2500 S 100	VPS 3000 S 100
*EHS (Electric heater)	to kW	9.0	9.0	9.0	9.0	9.0	9.0	9.0

R23

Made-to-measure hot water storage tank

Description

The buffer tanks are individually made-to-measure for you. Their design is generally a one-off which we treat with all necessary care. A made-to-measure hot water storage tank gives you flexibility for renovations and new builds. The made-to-measure tanks are also excellent for construction of special systems and meet all regulatory requirements.

Design

The hot water storage tanks are made from high quality steel to national standards in accordance with the customers desires and requirements.

Standards and regulations

EiTherm assist you by ensuring that the made-to-measure hot water storage tanks meet the valid standards and regulations.

Heat insulation

Insulation is ordered separately. When selecting the insulation, please take into account country-specific standards.

Non-woven material insulation

Fire-resistance rating B2. Non-woven material insulation. Optimum support on the hot water storage tank. Supplied loose. HCFC-free. Silver jacket Other colours to order.

Options

On request, insulation is available up to certain dimensions made from alternative materials with various strengths and fire protection classes.

Cold insulation

Pexl. diffusion tight.

Delivery and transport

From approx. 65,000 litres, special transport is required. Please enquire by telephone.

Delivery time

Around 3 to 6 weeks from approval of the drawings.

Made-to-measure hot water storage tank

Order form

Date	
Order code	
Quotation number	

Order address

Company	
Street	
Town/city	
Telephone	
Fax	
E-mail	
Contact person	

Hot water storage tank

Number of units	
Operating pressure	
Test pressure	
Capacity (litres)	
Diameter without insulation	
Height without insulation	
Tilted dimension	

Connections

Number of units	Description

Heat exchanger surface area in m²

Bottom	
Top	

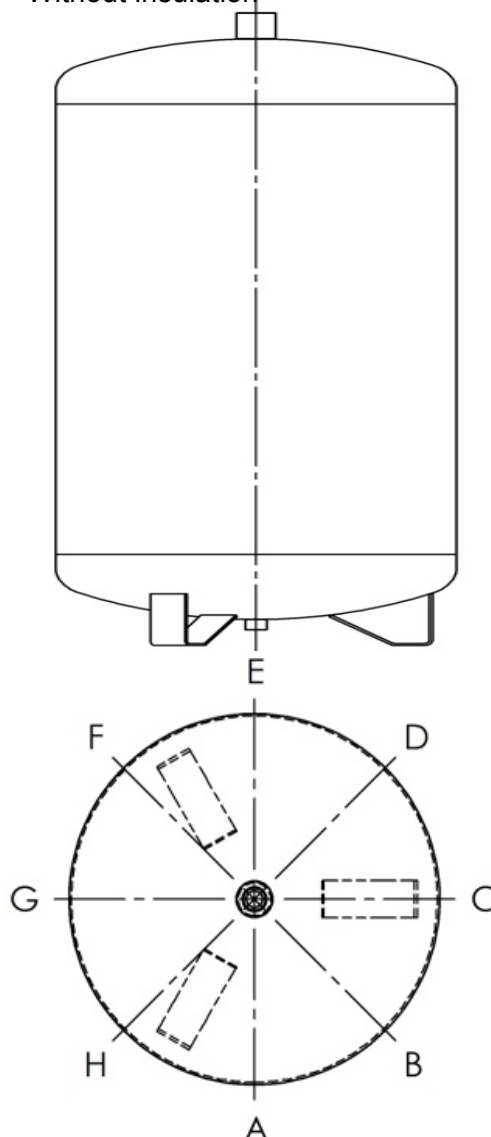
Delivery address

Same as order address

Company	
Street	
Town/city	
Telephone	
Contact person	

Insulation

- Non-woven mat. insulation __ mm (B2)
- 20 mm cold installation
- 40 mm cold installation
- Without insulation



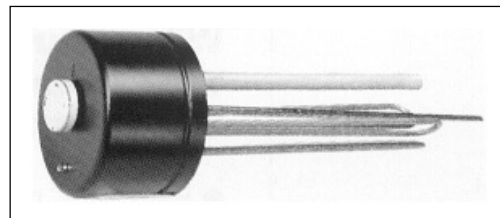
R24

Accessories

Electric heater – Type KDW

KDW electric heater for use with enamelled and non-enamelled steel hot water storage tanks

Flange heater for 180 mm diameter flange. For heating of water using an insulated installed Incoloy heater insert with protective current leakage resistance. Externally installed thermostat. Safety temperature limiter.



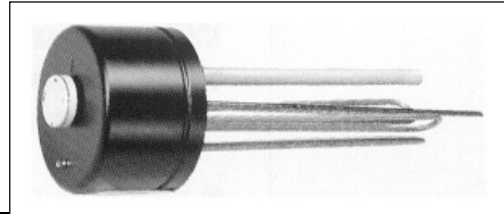
Type	Power output	Voltage	Flange diameter	Installation length	Boiler capacity	Part no.
	kW	Volt				
KDW 1 - 4	0.80	~ 230	180 - 8	380	200	10130
	1.30	~ 230				
	2.00	~ 230				
	2.00	2 ~ 400				
	2.60	2 ~ 400				
	2.00	3 ~ 400				
	2.60	3 ~ 400				
	4.00	3 ~ 400				
KDW 1 - 6	1.50	~ 230	180 - 8	380	300	10131
	2.00	~ 230				
	2.00	2 ~ 400				
	3.00	2 ~ 400				
	4.00	2 ~ 400				
	2.00	3 ~ 400				
	3.00	3 ~ 400				
	4.00	3 ~ 400				
	6.00	3 ~ 400				
KDW 1 - 8	1.80	~ 230	180 - 8	420	400	10132
	2.60	~ 230				
	2.60	2 ~ 400				
	4.00	2 ~ 400				
	5.30	2 ~ 400				
	2.60	3 ~ 400				
	4.00	3 ~ 400				
	5.30	3 ~ 400				
	8.00	3 ~ 400				
KDW 1 - 10	2.20	~ 230	180 - 8	510	500	10133
	3.30	~ 230				
	3.30	2 ~ 400				
	5.00	2 ~ 400				
	6.60	2 ~ 400				
	3.30	3 ~ 400				
	5.00	3 ~ 400				
	6.60	3 ~ 400				
	10.00	3 ~ 400				

Accessories

Electric heater – Type KDW

KDW electric heater for use with stainless steel hot water storage tanks V4A

Flange heater for 180 mm diameter flange. For heating of water using an insulated installed Incoloy heater insert with V4A thermowell. Externally installed thermostat. Safety temperature limiter.



Type	Power output	Voltage	Flange diameter	Installation length	Boiler capacity	Part no.
	kW	Volt	Hole	mm	litres	
KDW 1 - 4 for V4A	0.80	~ 230				
	1.30	~ 230				
	2.00	~ 230	180 - 8	380	200	10130/C
	2.00	2 ~ 400				
	2.60	2 ~ 400				
	2.00	3 ~ 400				
	2.60	3 ~ 400				
KDW 1 - 6 for V4A	4.00	3 ~ 400				
	1.50	~ 230				
	2.00	~ 230				
	2.00	2 ~ 400				
	3.00	2 ~ 400	180 - 8	380	300	10131/C
	4.00	2 ~ 400				
	2.00	3 ~ 400				
KDW 1 - 8 for V4A	3.00	3 ~ 400				
	4.00	3 ~ 400				
	6.00	3 ~ 400				
	1.80	~ 230				
	2.60	~ 230				
	2.60	2 ~ 400				
	4.00	2 ~ 400	180 - 8	420	400	10132/C
KDW 1 - 10 for V4A	5.30	2 ~ 400				
	2.60	3 ~ 400				
	4.00	3 ~ 400				
	5.30	3 ~ 400				
	8.00	3 ~ 400				
	2.20	~ 230				
	3.30	~ 230				
3.30	2 ~ 400					
5.00	2 ~ 400					
6.60	2 ~ 400	180 - 8	510	500	10133/C	
3.30	3 ~ 400					
5.00	3 ~ 400					
6.60	3 ~ 400					
10.00	3 ~ 400					

Accessories

Electric heater – Type ESH

ESH screw-in electric heater

ESH screw-in electric heater with 1 ½" screw head. To heat water using an isolated screw-in Incoloy tubular heating insert with protective current leakage resistance. Control elements switch directly at ~ 220 V to 3 kW, at 3 ~ 380 V to 9 kW. Frost protection setting



Type	Power output	Voltage	Thread	Installation length	Part no.
	kW	Volt	Inches	mm	
ESH 2.00	2.00	230/3 ~ 400	1 ½"	430	10100
ESH 2.50	2.50	230/3 ~ 400	1 ½"	430	10101
ESH 3.00	3.00	230/3 ~ 400	1 ½"	430	10102
ESH 3.80	3.80	3 ~ 400	1 ½"	430	10103
ESH 4.50	4.50	3 ~ 400	1 ½"	430	10104
ESH 6.00	6.00	3 ~ 400	1 ½"	630	10105
ESH 7.50	7.50	3 ~ 400	1 ½"	700	10106
ESH 9.00	9.00	3 ~ 400	1 ½"	800	10107

Electric heater – series R for steel

Electric heater from series R are suitable for use with enamelled and non-enamelled steel hot water storage tanks

Series R is suitable for continuous heating and is mounted on a flange. Mounted on a flange plate with diameter 180 mm To heat water using an isolated mounted Incoloy heating insert with protective current leakage resistance. Externally installed thermostat. Safety temperature limiter.



Type	Power output	Voltage	Flange diameter	Installation length	Part no.
	kW	Volt	Hole	mm	
REU 1 - 2.00	2.00	~ 230	180 - 8	450	10111
REU 1 - 2.50	2.50	~ 230	180 - 8	450	10112
REU 1 - 3.30	3.30	~ 230	180 - 8	450	10113
RDU 1 - 2.50	2.50	3 ~ 400	180 - 8	450	10114
RDU 1 - 3.00	3.00	3 ~ 400	180 - 8	450	10115
RDU 1 - 3.80	3.80	3 ~ 400	180 - 8	450	10116
RDU 1 - 5.00	5.00	3 ~ 400	180 - 8	450	10117
RDU 1 - 6.00	6.00	3 ~ 400	180 - 8	450	10118
RDW 1 - 7.50	7.50	3 ~ 400	180 - 8	450	10119
RDW 1 - 10.00	10.00	3 ~ 400	180 - 8	450	10120
For external protection control on-site					
RSW 1 - 12.00	12.00	3 ~ 400	180 - 8	530	10121
RSW 1 - 15.00	15.00	3 ~ 400	180 - 8	630	10122
Clamping version for external protection control on-site					
RSW 2 - 24 U	12/16/24	3 ~ 400	240 - 12	530	10123
RSW 2 - 45 U	20/30/35/45	3 ~ 400	240 - 12	630	10124

Accessories

Electric heater – series R for stainless steel V4A

Electric heater from series R are suitable for use with stainless steel V4A hot water storage tanks

Series R is suitable for continuous heating and is mounted on a flange. Mounted on a flange plate with diameter 180 mm To heat water using an isolated mounted Incoloy heating insert with V4A thermowell. Externally installed thermostat. Safety temperature limiter.



Type for V4A	Power output	Voltage	Flange diameter	Installation length	Part no.
	kW	Volt	Hole	mm	
REU 1 - 1.70	1.70	~ 230	180 - 8	450	10110/C
REU 1 - 2.00	2.00	~ 230	180 - 8	450	10111/C
REU 1 - 2.50	2.50	~ 230	180 - 8	450	10112/C
REU 1 - 3.30	3.30	~ 230	180 - 8	450	10113/C
RDU 1 - 2.50	2.50	3 ~ 400	180 - 8	450	10114/C
RDU 1 - 3.00	3.00	3 ~ 400	180 - 8	450	10115/C
RDU 1 - 3.80	3.80	3 ~ 400	180 - 8	450	10116/C
RDU 1 - 5.00	5.00	3 ~ 400	180 - 8	450	10117/C
RDU 1 - 6.00	6.00	3 ~ 400	180 - 8	450	10118/C
RDW 1 - 7.50	7.50	3 ~ 400	180 - 8	450	10119/C
RDW 1 - 10.00	10.00	3 ~ 400	180 - 8	450	10120/C
For external protection control on-site					
RSW 1 - 12.00	12.00	3 ~ 400	180 - 8	530	10121/C
RSW 1 - 15.00	15.00	3 ~ 400	180 - 8	630	10122/C
Clamping version for external protection control on-site					
RSW 2 - 24 U	12/16/24	3 ~ 400	240 - 12	530	10123/C
RSW 2 - 45 U	20/30/35/45	3 ~ 400	240 - 12	630	10124/C

Accessories

Selection table for electric heaters

Installation of an electric heater from underneath requires an intermediate flange (Accessories) for hot water storage tanks from 800 litres.

Hot water storage tank size	Type flange heater series REU / RDU / RSW / KDW		
	4 h	6 h	8 h
150 litres	REU 3.3 RDU 3.0	REU 2.5	RDU 2.5
200 litres	RDU 3.8	REU 2.5 RDU 2.5	REU 2.0 RDU 2.5
	KDW 1 - 4	KDW 1 - 4	KDW 1 - 4
300 litres	RDU 6	RDU 3.8	REU 3.3 RDU 3.0
	KDW 1 - 6	KDW 1 - 6	KDW 1 - 6
400 litres	RDW 7.5	RDU 5.0	RDU 3.8
	KDW 1 - 8	KDW 1 - 8	KDW 1 - 8
500 litres	RDW 10.0	RDU 6.0	RDU 5.0
	KDW 1 - 10	KDW 1 - 10	KDW 1 - 10
600 litres	RDW 10.0	RDW 7.5	RDU 6.0
800 litres	RSW 1 – 12	RDW 10.0	RDW 7.5
1000 litres	RSW 1 – 15	RSW 1 – 12	RDW 10.0
1500 litres	RSW 2 - 24 U	RSW 1 - 15	RSW 1 - 12
2000 litres	RSW 2 - 45 U	RSW 2 - 24 U	RSW 1 - 15

Accessories

Intermediate flange

	Dimensions	Part no.
Ø 290/180 enamelled	Ø 290/180	10002/E
Ø 290/180 V4A	Ø 290/180	10002/C
Ø 290/180 black	Ø 290/180	10002/S
Ø 290/240 enamelled	Ø 290/240	10031/E
Ø 290/240 V4A	Ø 290/240	10031/C
Ø 290/240 black	Ø 290/240	10031/S

Thermometer

	Dimensions	Part no.
80/50	½" x 50	T 80/50
80/100	½" x 100	T 80/100
80/200	½" x 200	T 80/200
80/300	½" x 300	T 80/300
80/400	½" x 400	T 80/400
80/100 V4A	½" x 100	T 80/100 C
80/150 V4A	½" x 150	T 80/150 C
80/200 V4A	½" x 200	T 80/200 C
80/300 V4A	½" x 300	T 80/300 C

Thermowell

	Dimensions	Part no.
100 mm	½" x 100	11002
200 mm	½" x 200	11004
300 mm	½" x 300	11005
400 mm	½" x 400	11006
500 mm	½" x 500	11007
1000 mm	½" x 1000	11008
100 mm V4A	½" x 100	11002/C
150 mm V4A	½" x 150	11003/C
200 mm V4A	½" x 200	11004/C
300 mm V4A	½" x 300	11005/C
400 mm V4A	½" x 400	11006/C
1000 mm V4A	½" x 1000	11008/C
V4A for RDU		11013/C

Isolation fitting for stainless steel V4A domestic hot water storage tank

Isolation fittings connection IG x IG	Dimensions	Part no.
ISO-RID DF	½"	70015
ISO-RID DF	¾"	70020
ISO-RID DF	1"	70025
ISO-RID DF	1 ¼"	70032
ISO-RID DF	1 ½"	70040
ISO-RID DF	2"	70050
Isolation fitting connection IG x AG		
ISO-RID MF	½"	70115

Accessories

Double nipple

	Dimensions	Part no.
MS	1/2"	427192
MS	3/4"	427193
MS	1"	427194
MS	1 1/4"	427203
MS	1 1/2"	427204
MS	2"	427195

Heating lance and layer pipe

	Dimensions	Part no.
Spray-tube (655 mm)	1 1/4"	90075
Spray-tube (655 mm)	1 1/2"	90076
Spray-tube (655 mm)	2"	90077
Spray-tube for V4A (655 mm)	1 1/4"	90075/C
Spray-tube for V4A (655 mm)	1 1/2"	90076/C
Spray-tube for V4A (655 mm)	2"	90077/C

Isolation cover

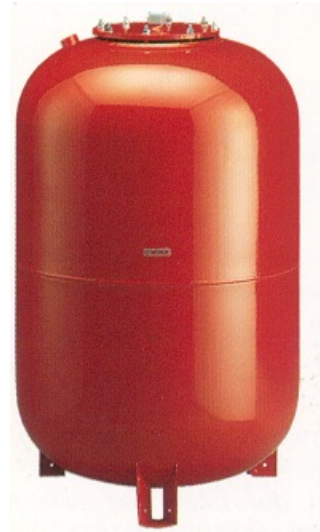
	Dimensions	Part no.
Cover hood 1/2" - 2"		90020

Accessories

Pressure expansion vessel



**Extravarem LR 8 - 40 litres
(Wall mounted)**



**Maxivarem LR 60 - 700 litres
(Freestanding)**

Extravarem LR

Galvanised flange - Membrane SBR. A bracket is required to facilitate installation

Type	Capacity	Ø	Height	max. pressure	Supply pressure	Connection	Part no.
	litres						
ER	8	200	330	5	1.5	¾"	14001
ER	12	270	315	5	1.5	¾"	14003
ER	18	270	420	5	1.5	¾"	14005
ER	25	290	450	5	1.5	¾"	14007
ER	40	320	582	5	1.5	¾"	14008
Bracket for ER 8 - 18							14020
Bracket for ER 25 - 40							14019

Maxivarem LR

Galvanised flange - Membrane SBR

Type	Capacity	Ø	Height	max. pressure	Supply pressure	Connection	Part no.
	litres						
ERE	60	380	730	6	1.5	¾"	14009
ERE	80	450	735	6	1.5	¾"	14010
ERE	100	450	790	6	1.5	1"	14011
ERE	150	550	800	6	1.5	1"	14012
ERE	200	550	1080	6	1.5	1 ½"	14013
ERE	250	630	984	6	1.5	1 ½"	14014
ERE	300	630	1177	6	1.5	1 ½"	14015
ERE	500	780	1283	6	1.5	1 ½"	14016
ERE	700	780	1685	6	1.5	1 ½"	14017

Accessories

Heat exchanger – finned tube made from tin-plated copper

The finned tube is made from copper and is tin-plated and mounted on a flange plate with 290 mm diameter. The heat exchanger has galvanic isolation.



Type	Part no.	Installation depth	Ø	Connection	Heating surface
		mm	mm		m ²
SC 180	10010	460	170	3/4"	1.8
SC 250	10011	560	170	3/4"	2.5
SC 320	10012	650	190	3/4"	3.2
SC 450	10013	750	190	1"	4.5

Heat exchanger isolation fitting set – finned tube made from tin-plated copper

Copper finned tube heat exchanger	Connection	Part no.
SC 180, SC 250, SC 320	3/4"	70200
SC 450	1"	70201

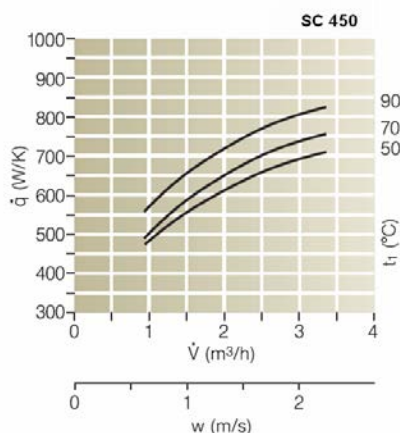
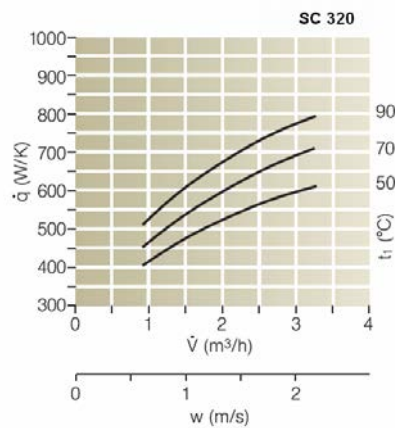
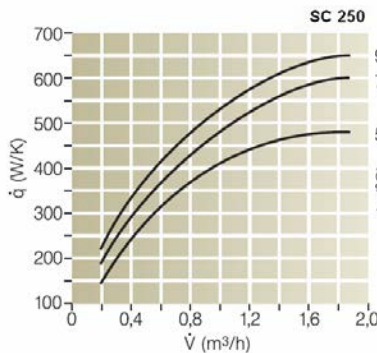
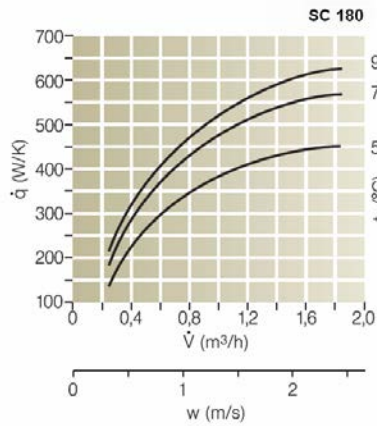
Heat exchanger selection table

The heat exchangers marked with an "X" can be installed in the following models.

Hot water storage tank model	SC 180	SC 250	SC 320	SC 450
PBNF/E 600/150	X	X	X	
PBNF/E 800/200	X	X	X	X
PBNF/E 1000/200	X	X	X	X
PBNF/E 1500/230	X	X	X	X
BDF/E 300/200	X	X		

Accessories

Heat exchanger pressure loss – finned tube made from tin-plated copper



The following diagrams should be consulted for selection of a finned tube heat exchanger for heating a water storage tank with hot water. The diagrams underlie in-house measurements using hot water, with free convection of the storage tank water. Definitions:

- Q (W) transmitted output
- q (W/K) output per 1 K temperature difference (t1-ts)
- t1 (°C) hot water temperature at the inlet
- t2 (°C) hot water temperature at the outlet
- ts (°C) middle storage tank water temperature in the vicinity of the heat exchangers
- V (m³/s) Hot water volume current w (m/s) hot water velocity (should not exceed 1.8 m/s, if possible)
- p (bar) Pressure drop on the hot water side
- f1 (-) Output power degradation factor for other heating media
- f2 (-) Pressure drop increase factor for other heating media

The output to be transferred with water as the heating medium is calculated as:

$$Q = q \cdot (t_1 - t_s)$$

The pressure drop with water in the heat exchanger is determined from the diagram.

For operation with typical heating media for solar systems (mixture), the power is degraded by factor f1 and the pressure drop is increased by factor f2:

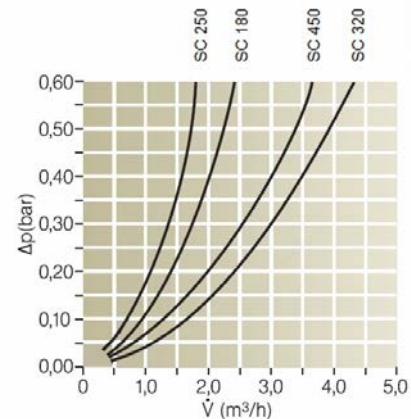
$$QG = f_1 \cdot q \cdot (t_1 - t_s)$$

$$\square pG = f_2 \cdot \square p$$

Standard in-house heating media (mixture) factors:

	f1	f2
Antifrogen N (concentration 20 %)	0.95	1.15
Antifrogen N (concentration 40 %)	0.85	1.35
PKL 90 (concentration 100 %)	0.55	1.45

Pressure drop in heat exchanger:



Spare parts

Magnesium protection anode

	Dimensions	Part no.
for RDU	Ø 22 x 390	10006
520 mm	1 ¼" x 520	10007 520
750 mm	1 ¼" x 750	10007 750
1000 mm	1 ¼" x 1000	10007 1000
Anode chain with 6 stages	1 ¼" x 1000	10007 KETTE

Thermostat

	Dimensions	Part no.
Electric heater ESH		10099/ESH
Electric heater RDU/RDW		10099/RDU
Electric heater RDU to 90 °C		10099/RDU S
Electric heater KDW		10099/KDW
Electric heater KDW to 90 °C		10099/KDW S
Electric heater RSW		10099/RSW
Electric heater ESH		10099/ESH
Electric heater RDU/RDW		10099/RDU
Electric heater RDU to 90 °C		10099/RDU S
Electric heater KDW		10099/KDW
Electric heater KDW to 90 °C		10099/KDW S
Electric heater RSW		10099/RSW

Skai jacket

(Please quote vessel type)	Dimensions	Part no.
150 litres		90001
200 litres		90002
300 litres		90003
400 litres		90004
500 litres		90005
600 litres		90006

Roses

	Dimensions	Part no.
Rose	½"	90010
Rose	¾"	90011
Rose	1"	90012
Rose	1 ¼"	90013
Rose	1 ½"	90014
Rose	2"	90015
Rose	2 ½"	90016

Regulating knob

(Please quote type of electric heater) for electrical heating:	Dimensions	Part no.
		10050

Spare parts Flange

	Dimensions	Part no.
Ø 180	Ø 180	FL 120/180
Ø 290	Ø 290	FL 220/290
Ø 380	Ø 380	FL 300/380
Ø 430	Ø 430	FL 350/430
Ø 480	Ø 480	FL 400/480
Ø 180 V4A	Ø 180	FL 120/180 C
Ø 240 V4A	Ø 240	FL 170/240 C
Ø 290 V4A	Ø 290	FL 220/290 C
Ø 380 V4A	Ø 380	FL 300/380 C
Ø 430 V4A	Ø 430	FL 350/430 C
Ø 480 V4A	Ø 480	FL 400/480 C

Flange seal

	Dimensions	Part no.
Ø 180	Ø 180	10003/180
Ø 180 for B 160/220 (red)	Ø 180	10003/180 S
Ø 180 for RDU	Ø 180	10003/180 R
Ø 240	Ø 240	10003/240
Ø 290	Ø 290	10003/290
Ø 380	Ø 380	10003/380
Ø 430	Ø 430	10003/430
Ø 480	Ø 480	10003/480
Seal for heater insert ESH	1 ½"	10004
Seal for heating flange heater element	oval / S = 3 mm	10003

Flange cover

	Dimensions	Part no.
Enamelled	Ø 290	10000/E
black	Ø 290	10000/S
V4A	Ø 290	10000/C
Enamelled	Ø 180	10005/E
V4A	Ø 180	10005/C
Enamelled with 2 holes, Ø 39	Ø 290	10000/E 39
Black with 2 holes, Ø 39	Ø 290	10000/S 39
Enamelled with 2 holes, Ø 30	Ø 290	10000/E 30
Black with 2 holes, Ø 30	Ø 290	10000/S 30
Enamelled with 1 ½" fitting	Ø 290	10001/E
Enamelled with 1 ½" fitting	Ø 180	11001/E
Enamelled for PBN/E and BDF/E	Ø 180	10005/E PBN
V4A for PBN/C	Ø 180	10005/C PBN

Plastic cover

	Dimensions	Part no.
for flange Ø 180	Ø 180	11021
for flange Ø 290	Ø 290	11018
for flange Ø 380	Ø 380	11022
for flange Ø 430	Ø 430	11023
for flange Ø 480	Ø 480	11024
for vessel Ø 600	Ø 600	11015
for vessel Ø 650	Ø 650	11026
for vessel Ø 750	Ø 750	11016
For electric heater for TPU 140		11029
For RDU, RDW, REU, RSW 1	Ø 180	11020
For KDW, RSW 2	Ø 180	11020 B

R25

Performance tables

Hot water use requirement in residential buildings

Number Normal residences	Peak requirement l/10 min		max. requirement 1 hour l/h		max. requirement 2 hours l/h		Daily requirement litres	
	45°C	60°C	45°C	60°C	45°C	60°C	45°C	60°C
4	290	200	560	390	230	160	960	670
6	360	250	720	500	320	220	1430	1000
8	420	290	870	610	430	300	1920	1340
10	470	330	1040	730	520	360	2390	1670
12	520	360	1140	800	570	400	2860	2000
14	560	390	1250	880	630	440	3350	2340
16	600	420	1370	960	740	520	3820	2670
18	650	450	1530	1070	860	600	4290	3000
20	680	470	1700	1180	970	680	4770	3340
25	760	530	1970	1380	1140	800	5960	4170
30	820	570	2250	1580	1310	920	7160	5010
35	900	630	2480	1760	1570	1100	8350	5840
40	980	680	2700	1900	1720	1200	9550	6680
45	1030	720	2960	2070	1940	1360	10740	7515
50	1070	750	3215	2250	2290	1600	11930	8350
60	1200	840	3715	2600	2570	1800	14290	10000
70	1300	910	4140	2900	3120	2180	16700	11690
80	1400	980	4570	3200	3290	2300	19100	13360
90	1520	1060	5140	3600	3860	2700	21500	15030
100	1650	1150	5570	3900	4000	2800	23900	16700

Performance tables

Type SF/E 150 - 1000 litres

Type	Coil m ²	Supply °C	Peak output 45°C l/10 min.	Peak output 45°C l/h	Continuous output 45°C l/h	Power output kW (10 - 45 °C)	Peak output 60°C l/10 min.	Peak output 60°C l/h	Continuous output 60°C l/h	Power output kW (10°C - 60°C)	Hot water Primary m ³ /h	Pressure drop mbar	N _L
SF/E 150	1.0	50	127	238	133	5.4	-	-	-	-	1.3	20	2
		60	140	314	209	8.5	-	-	-	-			
		70	153	391	286	11.6	132	265	160	9.3			
		80	165	467	362	14.7	141	318	213	12.4			
SF/E 200	1.4	50	171	327	187	7.6	-	-	-	-	1.8	40	3
		60	189	433	293	11.9	-	-	-	-			
		70	207	540	400	16.3	177	364	224	13.0			
		80	224	647	507	20.6	190	439	299	17.4			
SF/E 300	1.7	50	248	437	227	9.2	-	-	-	-	2.2	70	4
		60	269	566	356	14.5	-	-	-	-			
		70	291	696	486	19.8	255	482	272	15.8			
		80	313	825	615	25.0	270	573	363	21.1			
SF/E 400	2.0	50	324	547	267	10.9	-	-	-	-	2.5	110	7
		60	350	699	419	17.1	-	-	-	-			
		70	375	851	571	23.3	333	600	320	18.6			
		80	401	1004	724	29.5	351	707	427	24.8			
SF/E 500	2.6	50	408	697	347	14.1	-	-	-	-	3.3	230	11
		60	441	895	545	22.2	-	-	-	-			
		70	474	1093	743	30.2	419	766	416	24.2			
		80	507	1291	941	38.3	442	905	555	32.2			
SF/E 600	2.6	50	478	767	347	14.1	-	-	-	-	3.3	230	14
		60	511	965	545	22.2	-	-	-	-			
		70	544	1163	743	30.2	489	836	416	24.2			
		80	577	1361	941	38.3	512	975	555	32.2			
SF/E 800	3.7	50	642	1053	493	20.1	-	-	-	-	4.7	160	24
		60	689	1335	775	31.5	-	-	-	-			
		70	736	1617	1057	43.0	659	1152	592	34.4			
		80	783	1899	1339	54.5	692	1349	789	45.9			
SF/E 1000	3.7	50	782	1193	493	20.1	-	-	-	-	4.7	160	26
		60	829	1475	775	31.5	-	-	-	-			
		70	876	1757	1057	43.0	799	1292	592	34.4			
		80	923	2039	1339	54.5	832	1489	789	45.9			

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C

Performance tables

SF/C 200 - 2000 litres

Type	Coil m ²	Supply °C	Peak output 45°C l/10 min.	Peak output 45°C l/h	Continuous output 45°C l/h	Power output kW (10 - 45 °C)	Peak output 60°C l/10 min.	Peak output 60°C l/h	Continuous output 60°C l/h	Power output kW (10°C - 60°C)	Hot water Primary m ³ /h	Pressure drop mbar	N _L
SF/C 200	1.0	50	169	316	176	7.2	-	-	-	-	1.7	30	3
		60	186	417	277	11.3	-	-	-	-			
		70	203	518	378	15.4	175	518	352	12.3			
		80	220	619	479	19.5	187	619	422	16.4			
SF/C 300	1.4	50	251	457	247	10.0	-	-	-	-	2.4	70	5
		60	275	598	388	15.8	-	-	-	-			
		70	298	739	529	21.5	259	506	296	17.2			
		80	322	880	670	27.3	276	605	395	23.0			
SF/C 400	1.7	50	330	580	300	12.2	-	-	-	-	2.3	120	8
		60	358	751	471	19.2	-	-	-	-			
		70	387	922	642	26.1	340	640	360	20.9			
		80	416	1093	813	33.1	360	760	480	27.9			
SF/C 500	2.1	50	412	720	370	15.1	-	-	-	-	3.5	200	12
		60	447	932	582	23.7	-	-	-	-			
		70	482	1143	793	32.3	424	794	444	25.8			
		80	517	1355	1005	40.9	449	942	592	34.4			
SF/C 600	2.1	50	482	790	370	15.1	-	-	-	-	3.5	200	14
		60	517	1002	582	23.7	-	-	-	-			
		70	552	1213	793	32.3	494	864	444	25.8			
		80	587	1425	1005	40.9	519	1012	592	34.4			
SF/C 800	2.7	50	639	1036	476	19.4	-	-	-	-	4.5	100	22
		60	685	1308	748	30.4	-	-	-	-			
		70	730	1580	1020	41.5	655	1131	571	33.2			
		80	775	1852	1292	52.6	687	1322	762	44.3			
SF/C 1000	2.7	50	779	1176	476	19.4	-	-	-	-	4.5	100	25
		60	825	1448	748	30.4	-	-	-	-			
		70	870	1720	1020	41.5	795	1271	571	33.2			
		80	915	1992	1292	52.6	827	1462	762	44.3			
SF/C 1250	3.3	50	972	1457	582	23.7	-	-	-	-	5.5	190	34
		60	1027	1789	914	37.2	-	-	-	-			
		70	1083	2122	1247	50.7	991	1573	698	40.6			
		80	1138	2454	1579	64.3	1030	1806	931	54.1			
SF/C 1500	4.3	50	1176	1808	758	30.9	-	-	-	-	7.2	390	47
		60	1249	2241	1191	48.5	-	-	-	-			
		70	1321	2674	1624	66.1	1202	1960	910	52.9			
		80	1393	3108	2058	83.7	1252	2263	1213	70.5			
SF/C 1750	4.6	50	1360	2036	811	33.0	-	-	-	-	7.7	490	50
		60	1437	2499	1274	51.9	-	-	-	-			
		70	1515	2963	1738	70.7	1387	2198	973	56.6			
		80	1592	3426	2201	89.6	1441	2523	1298	75.4			
SF/C 2000	5.0	50	1547	2282	882	35.9	-	-	-	-	8.4	630	52
		60	1631	2785	1385	56.4	-	-	-	-			
		70	1715	3289	1889	76.9	1576	2458	1058	61.5			
		80	1799	3793	2393	97.4	1635	2810	1410	82.0			

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C

Performance tables DSFF/E 300 - 1000 litres

Type	Coil m ²	Volume l	Supply °C	Peak output 45°C l/10 min.	Peak output 45°C l/h	Continuous output 45°C l/h	Power output kW (10°C - 45°C)	Peak output 60°C l/10 min.	Peak output 60°C l/h	Continuous output 60°C l/h	Power output kW (10°C - 60°C)	Hot water Primary m ³ /h	Pressure drop mbar	N _L	
DSFF/E 300	top 1.0	110	50	99	210	133	5.4	-	-	-	-	1.3 collector	30	1	
			60	112	286	209	8.5	-	-	-					
			70	125	363	286	11.6	104	237	160	9.3				
			80	137	439	362	14.7	113	290	213	12.4				
	bottom 1.7	320	50	262	451	227	9.2	-	-	-	-		2.2	70	4
			60	283	580	356	14.5	-	-	-	-				
			70	305	710	486	19.8	269	496	272	15.8				
			80	327	839	615	25.0	284	587	363	21.1				
DSFF/E 400	top 0.9	130	50	111	211	120	4.9	-	-	-	-	1.2 collector	15	1	
			60	122	280	189	7.7	-	-	-	-				
			70	134	348	257	10.5	115	235	144	8.4				
			80	145	417	326	13.3	123	283	192	11.2				
	bottom 2.0	420	50	338	561	267	10.9	-	-	-	-		2.5	110	7
			60	364	713	419	17.1	-	-	-	-				
			70	389	865	571	23.3	347	614	320	18.6				
			80	415	1018	724	29.5	365	721	427	24.8				
DSFF/E 500	top 1.4	180	50	157	313	187	7.6	-	-	-	-	1.8 collector	40	3	
			60	175	419	293	11.9	-	-	-	-				
			70	193	526	400	16.3	163	350	224	13.0				
			80	210	633	507	20.6	176	425	299	17.4				
	bottom 2.6	520	50	422	711	347	14.1	-	-	-	-		3.3	230	11
			60	455	909	545	22.2	-	-	-	-				
			70	488	1107	743	30.2	433	780	416	24.2				
			80	521	1305	941	38.3	456	919	555	32.2				
DSFF/E 600	top 1.9	240	50	210	421	253	10.3	-	-	-	-	2.4 collector	90	4	
			60	234	566	398	16.2	-	-	-	-				
			70	258	711	543	22.1	219	472	304	17.7				
			80	283	855	687	28.0	236	573	405	23.6				
	bottom 2.6	590	50	471	760	347	14.1	-	-	-	-		3.3	230	14
			60	504	958	545	22.2	-	-	-	-				
			70	537	1156	743	30.2	482	829	416	24.2				
			80	570	1354	941	38.3	505	968	555	32.2				
DSFF/E 800	top 1.8	310	50	257	457	240	9.8	-	-	-	-	2.3 collector	30	5	
			60	280	594	377	15.3	-	-	-	-				
			70	303	731	514	20.9	265	505	288	16.7				
			80	326	868	651	26.5	281	601	384	22.3				
	bottom 3.0	830	50	648	981	400	16.3	-	-	-	-		3.8	90	24
			60	686	1209	628	25.6	-	-	-	-				
			70	724	1438	857	34.9	661	1061	480	27.9				
			80	762	1666	1085	44.2	688	1221	640	37.2				
DSFF/E 1000	top 2.2	330	50	280	524	293	11.9	-	-	-	-	2.8 collector	40	6	
			60	308	692	461	18.8	-	-	-	-				
			70	336	859	628	25.6	290	583	352	20.5				
			80	364	1027	796	32.4	309	700	469	27.3				
	bottom 3.7	925	50	730	1141	493	20.1	-	-	-	-		4.7	160	26
			60	777	1423	775	31.5	-	-	-	-				
			70	824	1704	1057	43.0	746	1239	592	34.4				
			80	871	1986	1339	54.5	779	1437	789	45.9				

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C

Performance tables

DSFF/C 300 - 1000 litres

Type	Coil m ²	Volume l	Supply °C	Peak output 45 °C l/10 min.	Peak output 45 °C l/h	Continuous output 45 °C l/h	Power output kW (10 °C - 45 °C)	Peak output 60 °C l/10 min.	Peak output 60 °C l/h	Continuous output 60 °C l/h	Power output kW (10 °C - 60 °C)	Hot water Primary m ³ /h	Pressure drop mbar	N _L	
DSFF/C 300	top 1.0	110	50	106	253	176	7.2	-	-	-	-	1.7 collector	30	8 m ²	1
			60	123	354	277	11.3	-	-	-					
			70	140	455	378	15.4	112	289	212	12.3				
			80	157	556	479	19.5	124	359	282	16.4				
	bottom 1.4	320	50	265	471	247	10.0	-	-	-	-				
			60	289	612	388	15.8	-	-	-	-				
			70	312	753	529	21.5	273	520	296	17.2				
			80	336	894	670	27.3	290	619	395	23.0				
DSFF/C 400	top 1.1	130	50	123	285	194	7.9	-	-	-	-	1.8 collector	30	9 m ²	2
			60	142	396	305	12.4	-	-	-	-				
			70	160	507	416	16.9	130	324	233	13.5				
			80	179	617	526	21.4	143	401	310	18.0				
	bottom 1.7	420	50	344	594	300	12.2	-	-	-	-				
			60	372	765	471	19.2	-	-	-	-				
			70	401	936	642	26.1	354	654	360	20.9				
			80	430	1107	813	33.1	374	774	480	27.9				
DSFF/C 500	top 1.2	180	50	161	338	212	8.6	-	-	-	-	2.0 collector	40	11 m ²	3
			60	181	458	332	13.5	-	-	-	-				
			70	202	579	453	18.5	168	380	254	14.8				
			80	222	700	574	23.4	182	464	338	19.7				
	bottom 2.1	520	50	426	734	370	15.1	-	-	-	-				
			60	461	946	582	23.7	-	-	-	-				
			70	496	1157	793	32.3	438	808	444	25.8				
			80	531	1369	1005	40.9	463	956	592	34.4				
DSFF/C 600	top 1.2	240	50	203	380	212	8.6	-	-	-	-	2.0 collector	40	11 m ²	3
			60	223	500	332	13.5	-	-	-	-				
			70	244	621	453	18.5	210	422	254	14.8				
			80	264	742	574	23.4	224	506	338	19.7				
	bottom 2.1	590	50	475	783	370	15.1	-	-	-	-				
			60	510	995	582	23.7	-	-	-	-				
			70	545	1206	793	32.3	487	857	444	25.8				
			80	580	1418	1005	40.9	512	1005	592	34.4				
DSFF/C 800	top 1.4	310	50	258	464	247	10.0	-	-	-	-	2.4 collector	20	14 m ²	5
			60	282	605	388	15.8	-	-	-	-				
			70	305	746	529	21.5	266	513	296	17.2				
			80	329	887	670	27.3	283	612	395	23.0				
	bottom 2.7	830	50	660	1057	476	19.4	-	-	-	-				
			60	706	1329	748	30.4	-	-	-	-				
			70	751	1601	1020	41.5	676	1152	571	33.2				
			80	796	1873	1292	52.6	708	1343	762	44.3				
DSFF/C 1000	top 1.8	330	50	284	548	317	12.9	-	-	-	-	3.0 collector	30	14 m ²	6
			60	314	730	499	20.3	-	-	-	-				
			70	344	911	680	27.7	294	612	381	22.1				
			80	375	1092	861	35.1	316	739	508	25.5				
	bottom 2.7	925	50	727	1124	476	19.4	-	-	-	-				
			60	772	1396	748	30.4	-	-	-	-				
			70	818	1668	1020	41.5	743	1219	571	33.2				
			80	863	1940	1292	52.6	774	1409	762	44.3				

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C

Performance tables

DSFF/C 1250 - 2000 litres

Type	Coil m ²	Volume l	Supply °C	Peak output 45°C l/10 min.	Peak output 45°C l/h	Continuous output 45°C l/h	Power output kW (10°C - 45°C)	Peak output 60°C l/10 min.	Peak output 60°C l/h	Continuous output 60°C l/h	Power output kW (10°C - 60°C)	Hot water Primary m ³ /h	Pressure drop mbar	N _L
DSFF/C 1250	top 2.5	660	50	423	791	441	17.9	-	-	-	-	4.2 collector	80 17 m ²	10
			60	465	1043	693	28.2	-	-	-				
			70	507	1294	944	38.4	438	879	529	30.8			
			80	549	1546	1196	48.7	468	1055	705	41.0			
	bottom 3.3	1135	50	951	1436	582	23.7	-	-	-	-			
			60	1006	1768	914	37.2	-	-	-	-			
			70	1062	2101	1247	50.7	970	1552	698	40.6			
			80	1117	2433	1579	64.3	1009	1785	931	54.1			
DSFF/C 1500	top 2.5	610	50	500	868	441	17.9	-	-	-	-	4.2 collector	90 16 m ²	17
			60	542	1120	693	28.2	-	-	-	-			
			70	584	1371	944	38.4	515	956	529	30.8			
			80	626	1623	1196	48.7	545	1132	705	41.0			
	bottom 3.2	1410	50	1081	1551	564	23.0	-	-	-	-			
			60	1135	1874	887	36.1	-	-	-	-			
			70	1188	2196	1209	49.2	1100	1664	677	39.4			
			80	1242	2518	1531	62.3	1137	1890	903	52.5			
DSFF/C 1750	top 2.9	726	50	582	1008	511	20.8	-	-	-	-	4.9 collector	130 18 m ²	20
			60	631	1300	803	32.7	-	-	-	-			
			70	680	1593	1096	44.6	599	1111	614	35.7			
			80	728	1885	1388	56.5	633	1315	818	47.6			
	bottom 3.6	1660	50	1310	1839	635	25.8	-	-	-	-			
			60	1370	2201	997	40.6	-	-	-	-			
			70	1431	2564	1360	55.4	1331	1966	762	44.3			
			80	1491	2927	1723	70.1	1373	2219	1015	59.0			
DSFF/C 2000	top 2.9	770	50	624	1050	511	20.8	-	-	-	-	4.9 collector	130 22m ²	22
			60	673	1342	803	32.7	-	-	-	-			
			70	722	1635	1096	44.6	641	1153	614	35.7			
			80	770	1927	1388	56.5	675	1357	818	47.6			
	bottom 4.3	1930	50	1427	2109	758	30.9	-	-	-	-			
			60	1550	2542	1191	48.5	-	-	-	-			
			70	1622	2975	1624	66.1	1503	2261	910	52.9			
			80	1694	3409	2058	83.7	1553	2564	1213	70.5			

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C

Performance tables

WP/E 300 – 1000 litres

Type	Coil m ²	Supply °C	Peak output 45°C l/10 min.	Peak output 45°C l/h	Continuous output 45°C l/h	Power output kW (10°C - 45°C)	Peak output 60°C l/10 min.	Peak output 60°C l/h	Continuous output 60°C l/h	Power output kW (10°C - 60°C)	Hot water Primary m ³ /h	Pressure drop mbar	N _L
WP/E 300	3.5	50*	246	431	221	9.0	-	-	-	-	1.9	70	2
		50	288	677	467	19.0	-	-	-	-			
		60	332	943	733	29.8	-	-	-	-			
		70	377	1210	1000	40.7	303	770	560	32.6			
		80	421	1476	1266	51.5	334	956	746	43.4			
WP/E 400	4.6	50*	330	575	295	12.0	-	-	-	-	2.5	70	4
		50	382	893	613	25.0	-	-	-	-			
		60	441	1244	964	39.2	-	-	-	-			
		70	499	1594	1314	53.5	403	1016	736	42.8			
		80	557	1944	1664	67.7	444	1261	981	57.0			
WP/E 500	5.9	50*	411	718	368	15.0	-	-	-	-	4.0	110	6
		50	481	1136	786	32.0	-	-	-	-			
		60	556	1586	1236	50.3	-	-	-	-			
		70	631	2035	1685	68.6	507	1294	944	54.9			
		80	706	2485	2135	86.9	560	1608	1258	73.2			
WP/E 600	6.0	50*	481	788	368	15.0	-	-	-	-	4.0	110	7
		50	553	1220	800	32.6	-	-	-	-			
		60	629	1677	1257	51.2	-	-	-	-			
		70	706	2134	1714	69.8	580	1380	960	55.8			
		80	782	2591	2171	88.4	633	1700	1280	74.4			
WP/E 800	6.0	50*	621	928	368	15.0	-	-	-	-	4.0	110	7
		50	693	1360	800	32.6	-	-	-	-			
		60	769	1817	1257	51.2	-	-	-	-			
		70	846	2274	1714	69.8	720	1520	960	55.8			
		80	922	2731	2171	88.4	773	1840	1280	74.4			
WP/E 1000	6.0	50*	761	1068	368	15.0	-	-	-	-	4.0	110	7
		50	833	1500	800	32.6	-	-	-	-			
		60	909	1957	1257	51.2	-	-	-	-			
		70	986	2414	1714	69.8	860	1660	960	55.8			
		80	1062	2871	2171	88.4	913	1980	1280	74.4			

***Recommended WP use (based on 2.5 kW/m²)**

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C

Performance tables WP/C 300 – 2000 litres

Type	Coil m ²	Supply °C	Peak output 45°C l/10 min.	Peak output 45°C l/h	Continuous output 45°C l/h	Power output kW (10°C - 45°C)	Peak output 60°C l/10 min.	Peak output 60°C l/h	Continuous output 60°C l/h	Power output kW (10°C - 60°C)	Hot water Primary m ³ /h	Pressure drop mbar	N _L
WP/C 300	3.6	50*	246	431	221	9.0	-	-	-	-	2.0	40	2
		50	316	845	635	25.8	-	-	-	-			
		60	376	1207	997	40.6	-	-	-	-			
		70	437	1570	1360	55.4	337	972	762	44.3			
		80	497	1933	1723	70.1	379	1225	1015	59.0			
WP/C 400	5.0	50*	330	575	295	12.0	-	-	-	-	2.6	70	4
		50	427	1162	882	35.9	-	-	-	-			
		60	511	1665	1385	56.4	-	-	-	-			
		70	595	2169	1889	76.9	456	1338	1052	61.5			
		80	679	2673	2393	97.4	515	1690	1410	82.0			
WP/C 500	6.1	50*	411	718	368	15.0	-	-	-	-	3.2	90	6
		50	529	1425	1075	43.8	-	-	-	-			
		60	632	2040	1690	68.8	-	-	-	-			
		70	734	2654	2304	93.8	565	1641	1291	75.0			
		80	837	3269	2919	118.8	637	2071	1721	100.0			
WP/C 600	6.1	50*	481	788	368	15.0	-	-	-	-	3.2	90	7
		50	599	1495	1075	43.8	-	-	-	-			
		60	702	2110	1690	68.8	-	-	-	-			
		70	804	2724	2304	93.8	635	1711	1291	75.0			
		80	907	3339	2919	118.8	707	2141	1721	100.0			
WP/C 800	6.0	50*	621	928	368	15.0	-	-	-	-	3.2	90	8
		50	736	1618	1058	43.1	-	-	-	-			
		60	837	2222	1662	67.1	-	-	-	-			
		70	938	2827	2267	92.3	772	1829	1269	73.8			
		80	1039	3431	2871	116.9	842	2252	1692	98.4			
WP/C 1000	6.0	50*	761	1068	368	15.0	-	-	-	-	3.2	90	9
		50	876	1758	1058	43.1	-	-	-	-			
		60	977	2362	1662	67.1	-	-	-	-			
		70	1078	2967	2267	92.3	912	1969	1269	73.8			
		80	1179	3571	2871	116.9	982	2392	1692	98.4			
WP/C 1250	8.2	50*	961	1403	528	21.0	-	-	-	-	4.5	70	10
		50	1116	2321	1446	58.8	-	-	-	-			
		60	1254	3147	2272	92.5	-	-	-	-			
		70	1391	3973	3098	126.1	1164	2610	1735	100.9			
		80	1529	4799	3924	159.7	1261	3188	2313	134.5			
WP/C 1500	9.0	50*	1144	1615	565	23.0	-	-	-	-	5.0	120	12
		50	1314	2637	1587	64.6	-	-	-	-			
		60	1466	3543	2493	101.5	-	-	-	-			
		70	1617	4450	3400	138.4	1367	2954	1904	110.7			
		80	1768	5357	4307	175.3	1473	3589	2539	147.6			
WP/C 1750	10.3	50*	1331	1864	638	26.0	-	-	-	-	5.6	180	14
		50	1528	3041	1816	73.9	-	-	-	-			
		60	1701	4079	2854	116.1	-	-	-	-			
		70	1874	5116	3891	158.4	1588	3404	2179	126.7			
		80	2046	6154	4929	200.6	1709	4130	2905	168.9			
WP/C 2000	10.3	50*	1506	2038	638	26.0	-	-	-	-	5.6	180	14
		50	1703	3216	1816	73.9	-	-	-	-			
		60	1876	4254	2854	116.1	-	-	-	-			
		70	2049	5291	3891	158.4	1763	3579	2179	126.7			
		80	2221	6329	4929	200.6	1884	4305	2905	168.9			

*Recommended WP use (based on 2.5 kW/m²)

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C

Performance tables

WPS/E 500 - 1000 litres

Type	Coil m ²	Volume l	Supply °C	Peak output 45°C l/10 min.	Peak output 45°C l/h	Continuous output 45°C l/h	Power output kW (10°C - 45°C)	Peak output 60°C l/10 min.	Peak output 60°C l/h	Continuous output 60°C l/h	Power output kW (10°C - 60°C)	Hot water Primary m ³ /h	Pressure drop mbar	N _L
WPS/E 500	top 4.2	330	50*	275	500	270	11.0	-	-	-	-	3.0	50	3
			50	324	791	560	22.8	-	-	-				
			60	378	1111	880	35.8	-	-	-				
			70	431	1431	1200	48.8	343	903	672	39.1			
	bottom 1.6	524	80	484	1751	1520	61.8	380	1127	896	52.1	collector	8 m ²	9
			50	402	580	213	8.7	-	-	-	-			
			60	423	702	335	13.6	-	-	-	-			
			70	443	824	457	18.6	409	623	256	14.9			
80	463	946	579	23.6	424	708	341	19.8	2.0	40				
WPS/E 600	top 5.7	360	50*	310	590	344	14.0	-	-	-	-	4.0	110	4
			50	379	1012	760	30.9	-	-	-	-			
			60	451	1446	1194	48.6	-	-	-	-			
			70	523	1880	1628	66.3	404	1164	912	53.0			
	bottom 2.0	590	80	596	2314	2062	83.9	455	1468	1216	70.7	collector	10 m ²	12
			50	457	680	267	10.9	-	-	-	-			
			60	483	832	419	17.1	-	-	-	-			
			70	508	984	571	23.3	466	733	320	18.6			
80	534	1137	724	29.5	484	840	427	24.8	2.5	60				
WPS/E 800	top 5.2	450	50*	370	630	320	13.0	-	-	-	-	3.8	90	5
			50	431	1008	693	28.2	-	-	-	-			
			60	497	1404	1089	44.3	-	-	-	-			
			70	563	1800	1485	60.5	454	1147	832	48.4			
	bottom 2.2	830	80	629	2196	1881	76.6	500	1424	1109	64.5	collector	11 m ²	16
			50	630	874	293	11.9	-	-	-	-			
			60	658	1042	461	18.8	-	-	-	-			
			70	686	1209	620	25.6	640	933	352	20.5			
80	714	1377	796	32.4	659	1050	469	27.3	2.8	70				
WPS/E 1000	top 6.0	500	50*	410	720	370	15.0	-	-	-	-	4.0	120	6
			50	483	1150	800	32.6	-	-	-	-			
			60	559	1607	1257	51.2	-	-	-	-			
			70	636	2064	1714	69.8	510	1310	960	55.8			
	bottom 3.5	925	80	712	2521	2171	88.4	563	1630	1280	74.4	collector	18 m ²	23
			50	725	1114	467	19.0	-	-	-	-			
			60	770	1381	733	29.8	-	-	-	-			
			70	814	1647	1000	40.7	741	1207	560	32.6			
80	859	1914	1266	51.5	772	1394	746	43.4	4.4	100				

*Recommended WP use (based on 2.5 kW/m²)

Collector 20% coil surface

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C

Performance tables WPS/C 500 - 1000 litres

Type	Coil m ²	Volume l	Supply °C	Peak output 45°C l/10 min.	Peak output 45°C l/h	Continuous output 45°C l/h	Power output kW (10°C - 45°C)	Peak output 60°C l/10 min.	Peak output 60°C l/h	Continuous output 60°C l/h	Power output kW (10°C - 60°C)	Hot water Primary m ³ /h	Pressure drop mbar	N _L
WPS/C 500	top 4.2	330	50*	275	500	270	11.0	-	-	-	-	2.4	70	3
			50	354	971	740	30.1	-	-	-				
			60	425	1395	1164	47.4	-	-	-				
			70	495	1818	1587	64.6	379	1120	889	51.7			
	80	566	2241	2010	81.8	428	1416	1185	68.9	-	-	collector	10 m ²	
	bottom 1.9	524	50	423	702	335	13.6	-	-	-	-			
			60	455	893	536	21.4	-	-	-	-			
			70	486	1085	718	29.2	434	769	402	23.4			
80			518	1276	909	37.0	456	903	536	31.2				
WPS/C 600	top 5.7	360	50*	313	620	368	15.0	-	-	-	-	3.2	100	4
			50	419	1257	1005	40.9	-	-	-	-			
			60	515	1831	1579	64.3	-	-	-	-			
			70	611	2405	2153	87.6	453	1458	1206	70.1			
	80	707	2980	2728	111.0	520	1860	1608	93.5	-	-	collector	10 m ²	
	bottom 2.0	590	50	472	766	353	14.4	-	-	-	-			
			60	505	967	554	22.6	-	-	-	-			
			70	539	1169	756	30.8	484	836	423	24.6			
80			573	1370	957	39.0	507	977	564	32.8				
WPS/C 800	top 5.2	450	50*	368	634	319	13.0	-	-	-	-	2.8	80	5
			50	468	1232	917	37.3	-	-	-	-			
			60	555	1756	1441	58.6	-	-	-	-			
			70	642	2279	1964	80.0	498	1415	1100	64.0			
	80	730	2803	2488	101.3	559	1782	1467	85.3	-	-	collector	11 m ²	
	bottom 2.2	830	50	646	969	388	15.8	-	-	-	-			
			60	683	1190	609	24.8	-	-	-	-			
			70	720	1412	831	33.8	659	1046	465	27.1			
80			756	1634	1053	42.8	684	1202	621	36.1				
WPS/C 1000	top 6.0	500	50*	411	718	368	15.0	-	-	-	-	3.2	100	6
			50	526	1408	1058	43.1	-	-	-	-			
			60	627	2012	1662	67.7	-	-	-	-			
			70	728	2617	2267	92.3	562	1619	1269	73.8			
	80	829	3221	2871	116.9	632	2042	1692	98.4	-	-	collector	17 m ²	
	bottom 3.3	925	50	744	1229	582	23.7	-	-	-	-			
			60	800	1562	914	37.2	-	-	-	-			
			70	855	1894	1247	50.7	764	1346	698	40.6			
80			911	2227	1579	64.3	803	1578	931	54.1				

*Recommended WP use (based on 2.5 kW/m²)

Collector 20 % coil surface

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C

Performance tables

WPS/C 1250 - 2000 litres

Type	Coil m ²	Volume l	Supply °C	Peak output 45°C l/10 min.	Peak output 45°C l/h	Continuous output 45°C l/h	Power output kW (10°C - 45°C)	Peak output 60°C l/10 min.	Peak output 60°C l/h	Continuous output 60°C l/h	Power output kW (10°C - 60°C)	Hot water Primary m ³ /h	Pressure drop mbar	NL
WPS/C 1250	top 7.7	660	50*	543	953	491	20.0	-	-	-	-	4.3	130	8
			50	688	1820	1358	55.2	-	-	-				
			60	818	2595	2133	86.8	-	-	-				
			70	947	3371	2909	118.4	734	2091	1629	94.7			
	bottom 3.4	1230	80	1076	4147	3685	150.0	824	2634	2172	126.3	collector	17 m ²	35
			50	961	1460	599	24.4	-	-	-	-			
			60	1018	1803	942	38.3	-	-	-	-			
			70	1075	2145	1284	52.3	981	1580	719	41.8			
80	1132	2488	1627	66.2	1021	1820	959	55.8	5.7	40				
WPS/C 1500	top 7.3	800	50*	633	1002	442	18.0	-	-	-	-	3.9	120	9
			50	774	1847	1287	52.4	-	-	-	-			
			60	897	2582	2022	82.3	-	-	-	-			
			70	1020	3318	2758	112.2	817	2104	1544	89.9			
	bottom 3.4	1420	80	1142	4053	3493	142.2	903	2619	2059	119.7	collector	17 m ²	38
			50	1094	1593	599	24.4	-	-	-	-			
			60	1151	1936	942	38.3	-	-	-	-			
			70	1208	2278	1284	52.3	1114	1713	719	41.8			
80	1265	2621	1627	66.2	1154	1953	959	55.8	5.7	40				
WPS/C 1750	top 7.8	970	50*	761	1171	491	20.0	-	-	-	-	4.3	130	10
			50	908	2054	1375	56.0	-	-	-	-			
			60	1039	2840	2161	87.9	-	-	-	-			
			70	1170	3626	2947	119.9	954	2329	1650	95.9			
	bottom 3.9	1730	80	1301	4412	3733	151.9	1046	2879	2200	127.9	collector	20 m ²	40
			50	1326	1899	688	28.0	-	-	-	-			
			60	1391	2291	1080	44.0	-	-	-	-			
			70	1457	2684	1473	60.0	1349	2036	825	48.0			
80	1522	3077	1866	76.0	1394	2311	1100	64.0	6.5	50				
WPS/C 2000	top 8.4	1010	50*	793	1223	516	21.0	-	-	-	-	4.5	130	10
			50	954	2188	1481	60.3	-	-	-	-			
			60	1095	3034	2327	94.7	-	-	-	-			
			70	1236	3880	3173	129.2	1003	2484	1777	103.3			
	bottom 5.2	1920	80	1377	4727	4020	163.6	1102	3076	2369	137.8	collector	26 m ²	55
			50	1497	2261	917	37.3	-	-	-	-			
			60	1584	2785	1441	58.6	-	-	-	-			
			70	1671	3308	1964	80.0	1527	2444	1100	64.0			
80	1759	3832	2488	101.3	1588	2811	1467	85.3	8.7	90				

***Recommended WP use (based on 2.5 kW/m²)**

Collector 20 % coil surface

Performance factor NL at heating 80 °C supply and DHW 10 °C to 45 °C